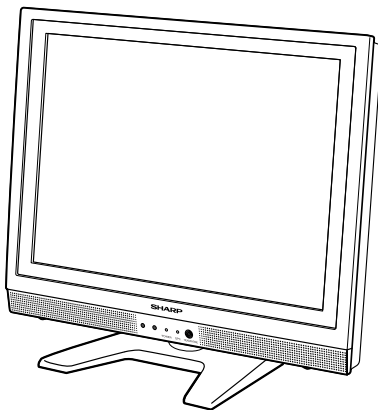


SHARP

SERVICE MANUAL

S73F4LC-20S2U



LCD COLOR TELEVISION

MODEL LC-20S2U-S

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SHARP CORPORATION

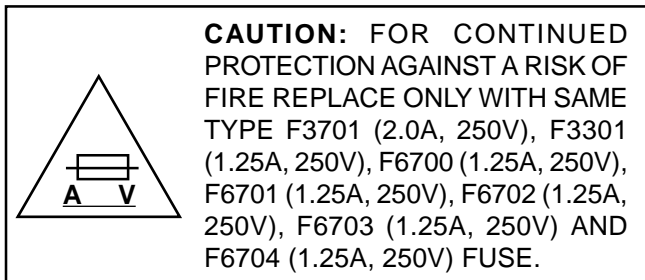
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The contents are subject to change without notice.

IMPORTANT SERVICE SAFETY PRECAUTION

- **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.



BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

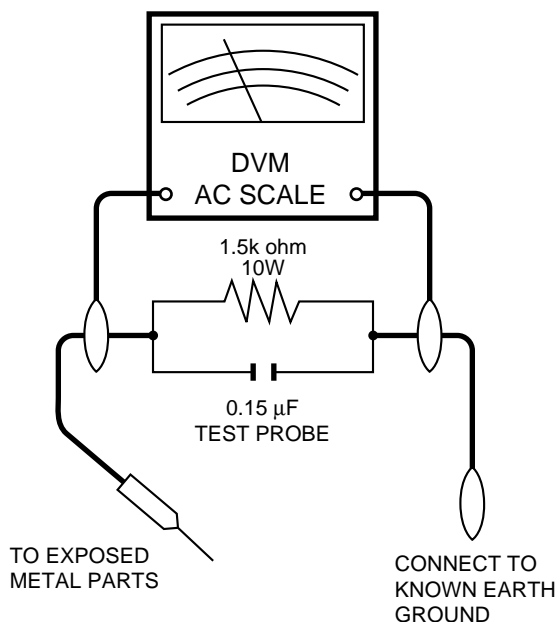
Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 110~240 volt AC outlet, and connect the DC power cable into the receiver's DC jack. (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.

- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.75V peak (this corresponds to 0.5 mA. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠"

and shaded areas in the **Replacement Parts Lists** and **Schematic Diagrams**.

For continued protection, replacement parts must be identical to those used in the original circuit.

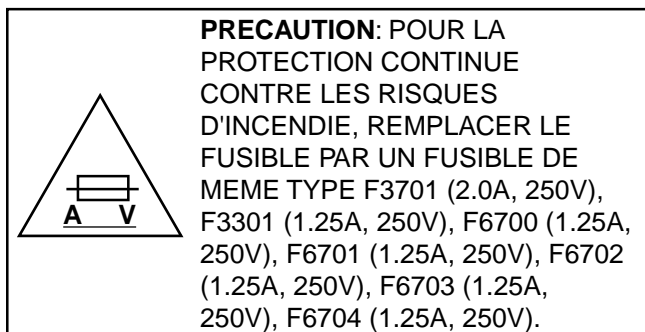
The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

- Ne peut effectuer la réparation qu' un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.

AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.



VERIFICATIONS CONTRE L'INCEN-DIE ET LE CHOC ELECTRIQUE

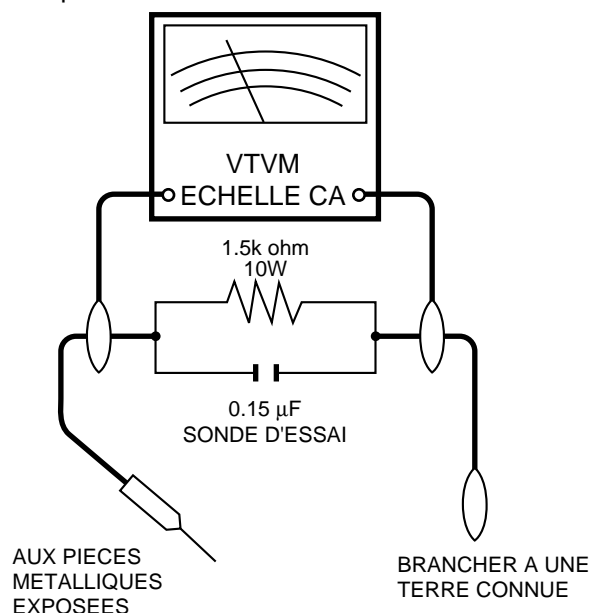
Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

1. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
2. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistance-capacité, les isolateurs mécaniques, etc.
3. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la façon suivante:
 - Brancher le cordon d'alimentation directement à une prise de courant de 110-240V. (Ne pas utiliser de transformateur d'isolation pour cet essai).
 - A l'aide de deux fils à pinces, brancher une résistance de 1.5kΩ 10 watts en parallèle avec un condensateur de 0,15μF en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une

conduite électrique ou une prise de terre branchée à la terre.

- Utiliser un voltmètre CA d'une sensibilité d'au moins 5000Ω/V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adpatation non polarisée peut être utilisée dans le but de terminer ces vérifications.) Tous les courants mesurés ne doivent pas dépasser 0,5 mA.

Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseurs présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont

identifiées par la marque " ⚠ " et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.

Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

Precautions for using lead-free solder

1 Employing lead-free solder

"All PWBs" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

LF a

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3 Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

| Part No, | ★ | Description | Code |
|---------------|---|--------------------|------|
| ZHNDai123250E | J | φ0.3mm 250g(1roll) | BL |
| ZHNDai126500E | J | φ0.6mm 500g(1roll) | BK |
| ZHNDai12801KE | J | φ1.0mm 1kg(1roll) | BM |

SPECIFICATIONS

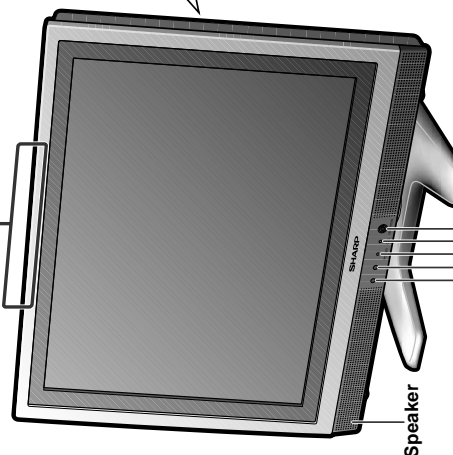
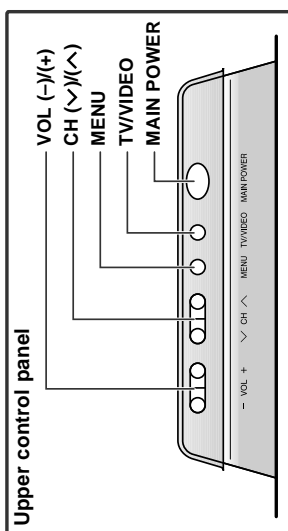
| Items \ Model | | LC-20S2U |
|------------------------------|--------------------|--|
| LCD panel | | 19.7" Advanced Super View & BLACK TFT LCD |
| Number of dots | | 921,600 dots VGA |
| Video color systems | | N358, N443, PAL, PAL-M, PAL-N, SECAM, PAL-60 |
| TV function | TV Standard (CCIR) | NTSC/PAL-M/PAL-N |
| | TV Tuning System | PLL 181 ch. |
| | STEREO | MTS+SAP |
| | CATV | 125 ch. |
| Y/C FILTER | | 3D Y/C FILTER |
| Brightness | | 430 cd/m ² |
| Lamp life (Fluorescent lamp) | | 60,000 hours |
| Viewing angles | | H: 170° V: 170° |
| Audio amplifier | | 2.1 W x 2 |
| Speakers | | 4 x 7 cm, 2 pcs. |
| Terminals | AV-IN1 | AV-IN1, S-VIDEO-IN |
| | AV-IN2 | AV-IN2, S-VIDEO-IN/AV-OUT |
| | COMPONENT | COMPONENT-IN, AUDIO-IN |
| | Antenna | F-Type |
| | Headphone | Mini-jack for stereo (ø3.5 mm) |
| OSD language | | English/French/Spanish |
| Power supply | | DC 12 V, AC 110–240 V, 50/60 Hz (AC Adapter), AC 125V MAX (AC Cord) |
| Weight | | 15.9 lbs. (7.2 kg),w/o accessories |
| Accessories | | Remote control, Battery (x2), Antenna cable, AC adapter, AC cord, Cable clamp (x2), Operation manual |

As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

OPERATION MANUAL

DISPLAY AND CONTROL OVERVIEW

Controls



To change the vertical angle of the LCD TV set, tilt the screen up to 2.5 degrees forward or 10 degrees backward. The TV set can also be rotated 25 degrees horizontally. Adjust the angle so that the TV set can be watched most comfortably.

Speaker

OPC sensor

Remote control sensor

HEADPHONE jack

Plug the headphone mini-plug into the HEADPHONE jack located on the front of the TV set.

OPC indicator (Optical Picture Control)

The Optical Picture Control indicator lights up green when the BRIGHTNESS is set to AUTO.

POWER indicator

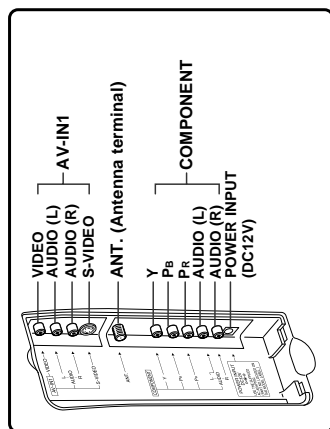
A green indicator lights when the power is on and a red indicator lights when in the standby mode (the indicator will not light when the main power is off).

* The examples used throughout this manual are based on the LC-20S2U model.

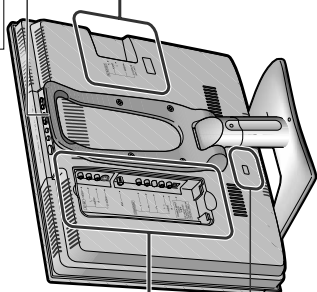
NOTE

• **TV/VIDEO**, **CH** (v)/(^), **VOL** (-)/(+), and **MENU** on the main unit have the same functions as the same buttons on the remote control. Basically, this operation manual provides a description based on operation with the remote control.

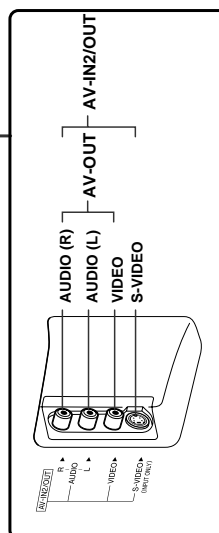
Terminals



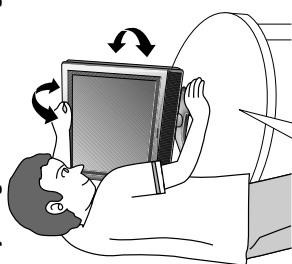
Carrying handle



Round lock for Kensington Security Standard Slot.

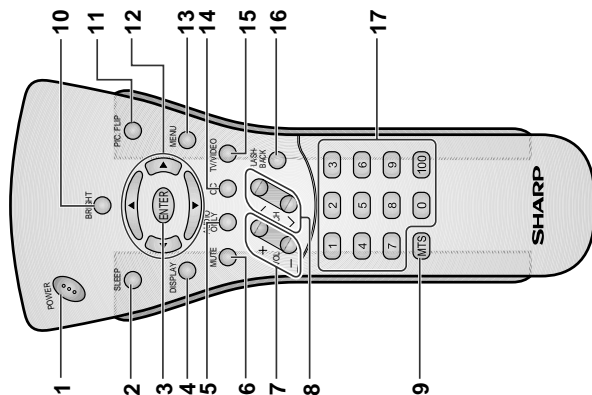


- Adjusting the screen view angle



Hold the carrying handle and tilt the screen while steadying the stand with your other hand.

REMOTE CONTROL



- 1 POWER**
Switch the Liquid Crystal Television power on or off.
- 2 SLEEP**
Set the sleep timer.
- 3 ENTER**
Execute a command.
- 4 DISPLAY**
Display the channel and time information.
- 5 AUDIO ONLY**
Output audio without screen image.
- 6 MUTE**
Mute the sound.
- 7 VOL (+)/(-)**
Set the volume.
- 8 CH (Δ)/(<Δ)**
Select channel.
- 9 MTS**
Select audio settings.
- 10 BRIGHT**
Adjust the brightness of the screen.
- 11 PIC. FLIP**
Set the orientation of the picture.
- 12 Δ/▽/◀/▶ (Cursor control)**
Select a desired item on the screen.
- 13 MENU**
Display the menu screen.
- 14 CC**
Display Closed Caption subtitles.
- 15 TV/VIDEO**
Select a Liquid Crystal Television input source.
- 16 FLASHBACK**
Return to the previous channel.
- 17 Channel Select**
Set the channel.

PREPARATION

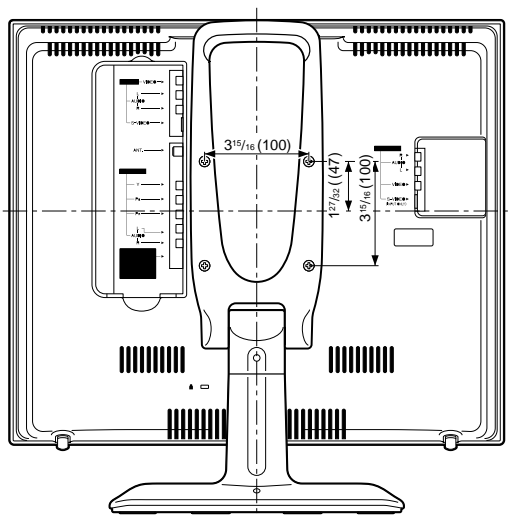
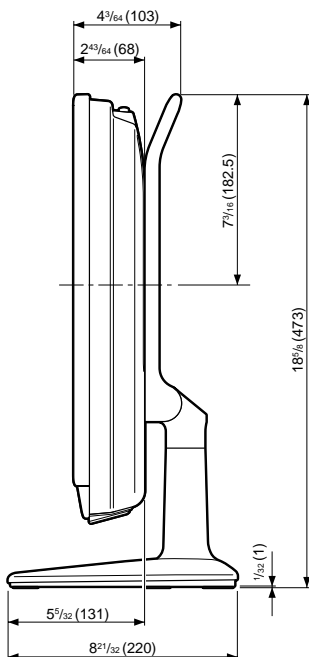
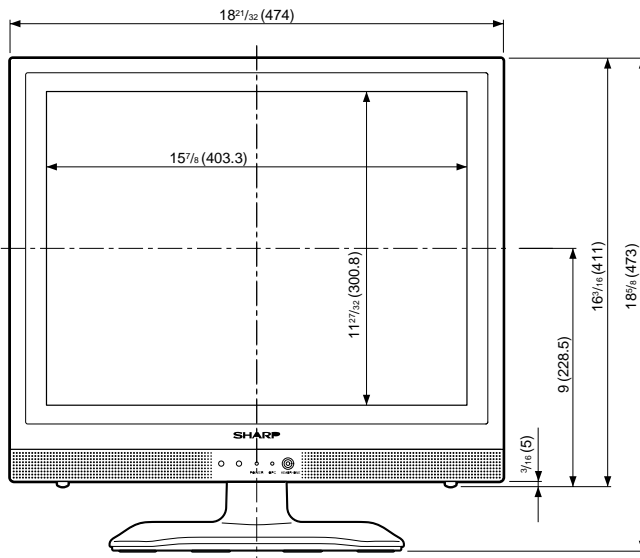
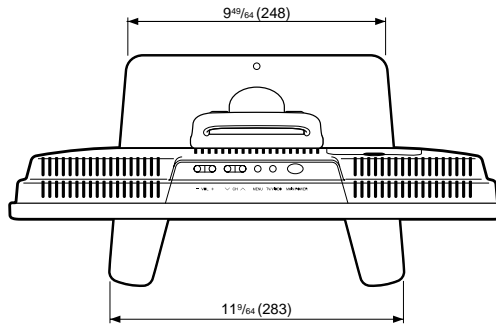
Batteries for the Remote Control

Before using the LCD TV set for the first time, install two ("AAA" size, UM/SUM-4) batteries (supplied). When the batteries become depleted and the remote control fails to operate, replace the batteries with new ("AAA" size, UM/SUM-4) batteries.

- 1** Open the battery cover.
 ■ Slide the cover while pressing the (▼) part.
- 2** Insert two ("AAA" size, UM/SUM-4) batteries.
 ■ Position the positive and negative ends of the batteries as indicated in the compartment.
- 3** Close the battery cover.
 ■ Engage the claw on the cover into the battery housing and slide shut.

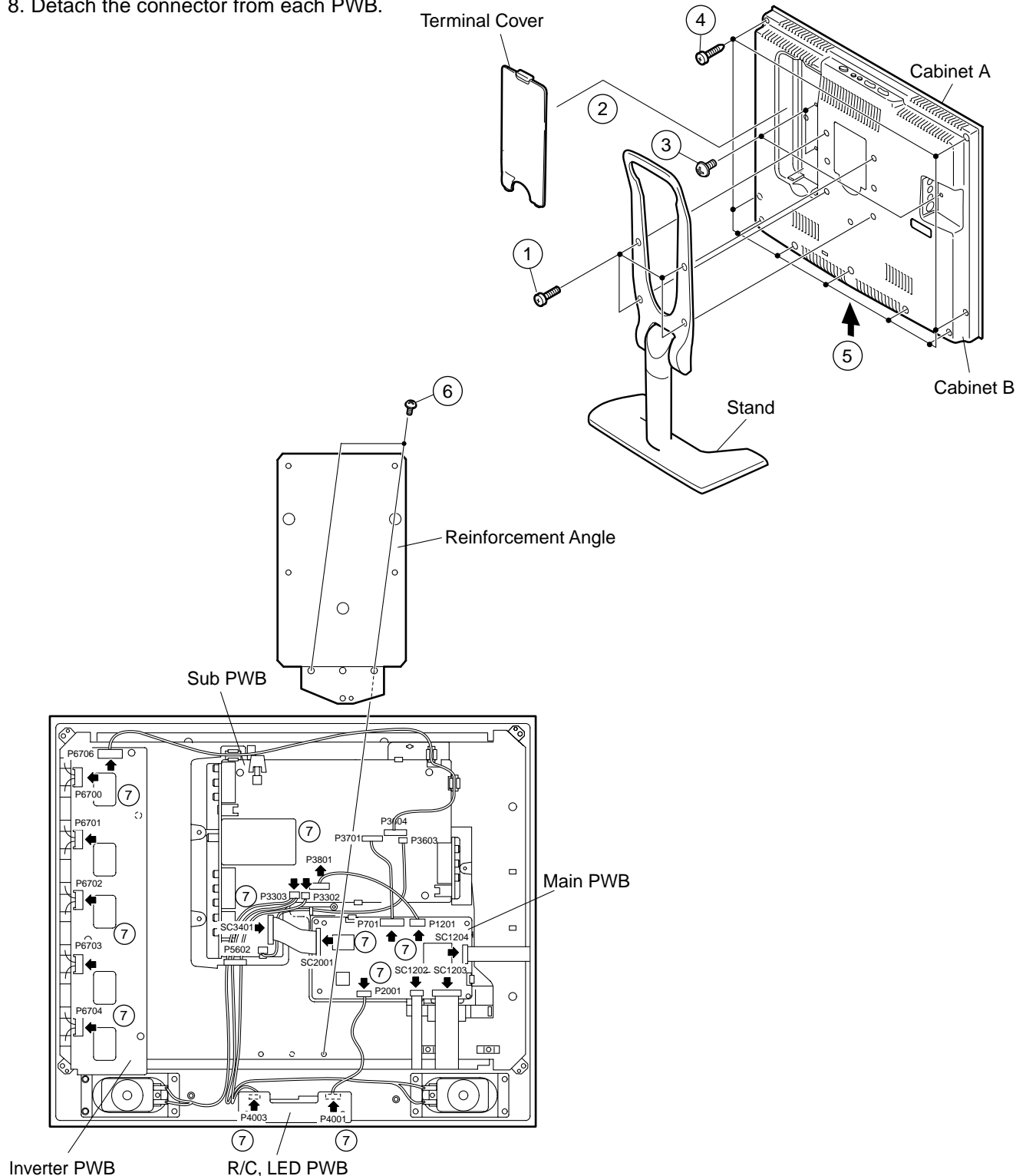
DIMENSIONS

Unit: inch (mm)

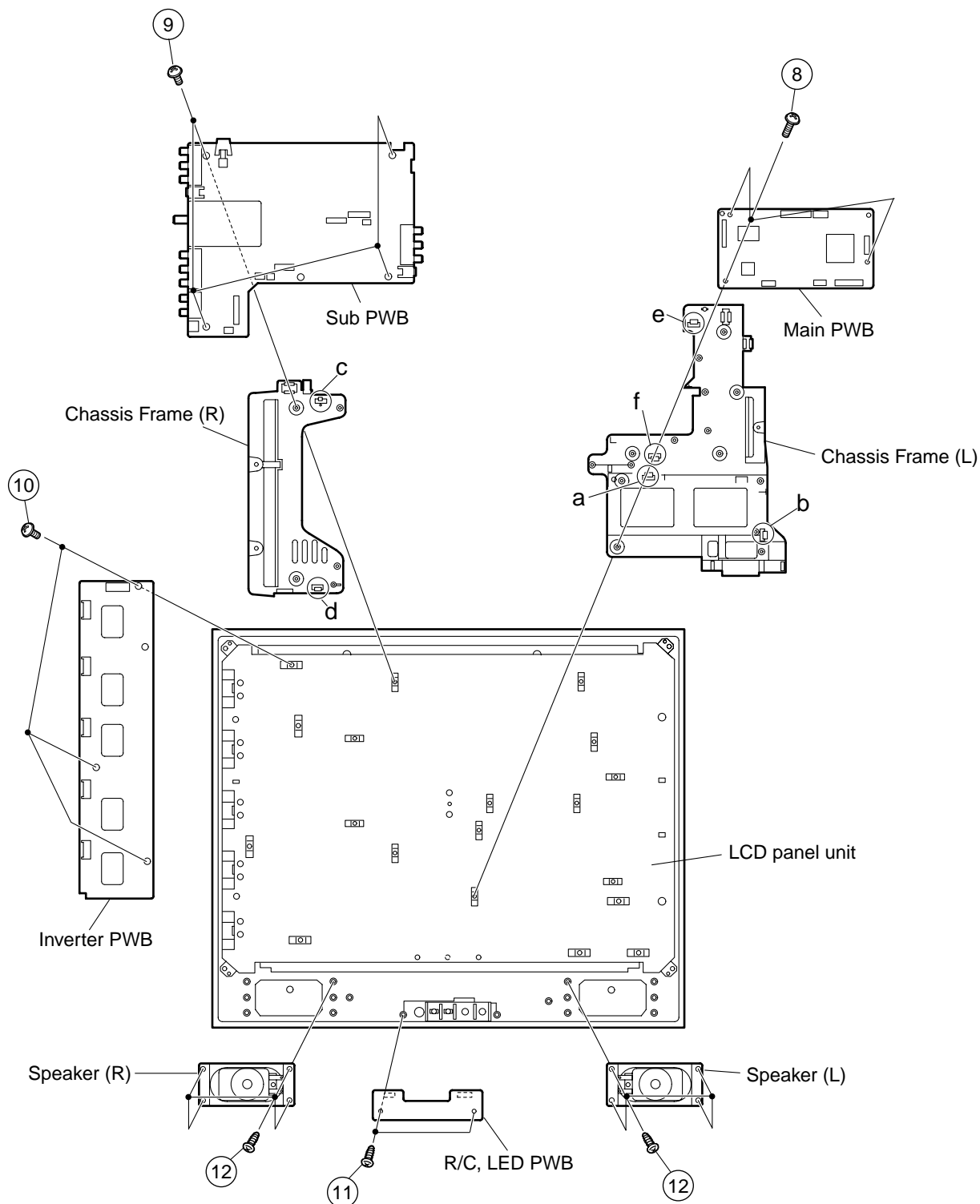


REMOVING OF MAJOR PARTS

1. Remove the stand fixing screws (4 pcs.).
2. Remove the terminal cover.
3. Remove the terminal section fixing screws (3 pcs.).
4. Remove the cabinet B fixing screws (9 pcs.).
5. Remove the cabinet B after opening from the direction of an arrow.
6. Remove the reinforcement angle fixing screws (2 pcs.).
8. Detach the connector from each PWB.

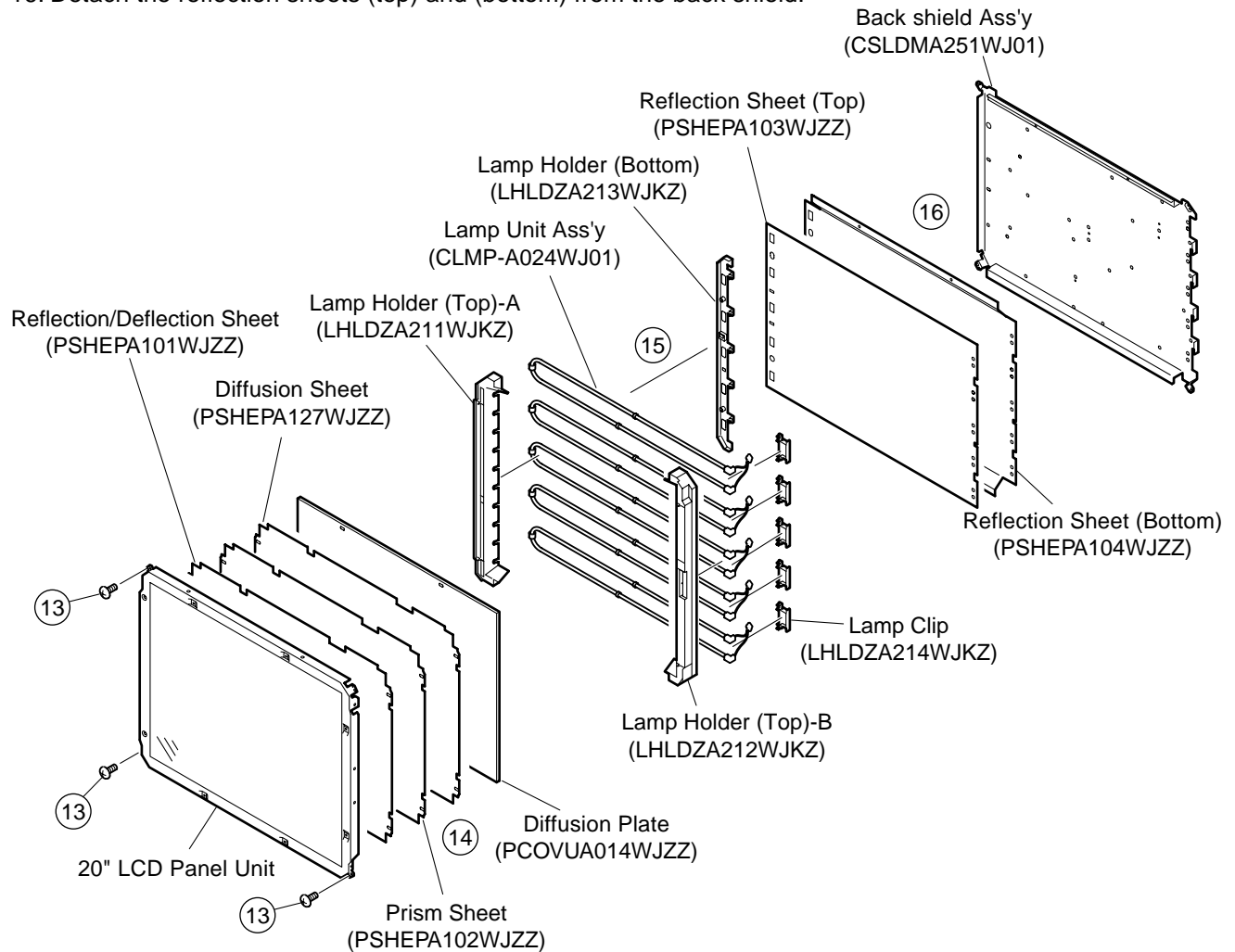


8. Remove the 3 lock screws from the main PWB and undo the hooks a and b. Lifting the other PWBs close to the hooks, draw out the main PWB.
9. Remove the 4 lock screws from the sub PWB and undo the hooks c and d. Detach the chassis frame (right), together with its terminals, from the sub PWB. Undo the hooks e and f in the same way. Detach the chassis frame (left), together with its terminals, from the sub PWB.
10. Remove the 3 lock screws from the inverter PWB and take out the inverter PWB.
11. Remove the 2 lock screws from the R/C, LED PWB and take out the R/C, LED PWB.
12. Remove the 4 lock screws each from the right and left speakers and take out both the speakers.



- Precautions in handling the LCD panels
 1. Work in a clean room (with humidities below 50%).
 2. Be sure to wear an anti-static armband.
 3. Handle the panels on an electro-conductive mat.
 4. Be careful not to fall, shake and shock the panels.

13. Remove the 3 lock screws from the LCD panel and detach the LCD panel.
14. Remove the reflection/polarization sheet, prism sheet, diffusion sheet and diffusion panel.
15. Detach the lamp holders (top)-A, (top)-B and (bottom) from the lamp unit assembly.
16. Detach the reflection sheets (top) and (bottom) from the back shield.

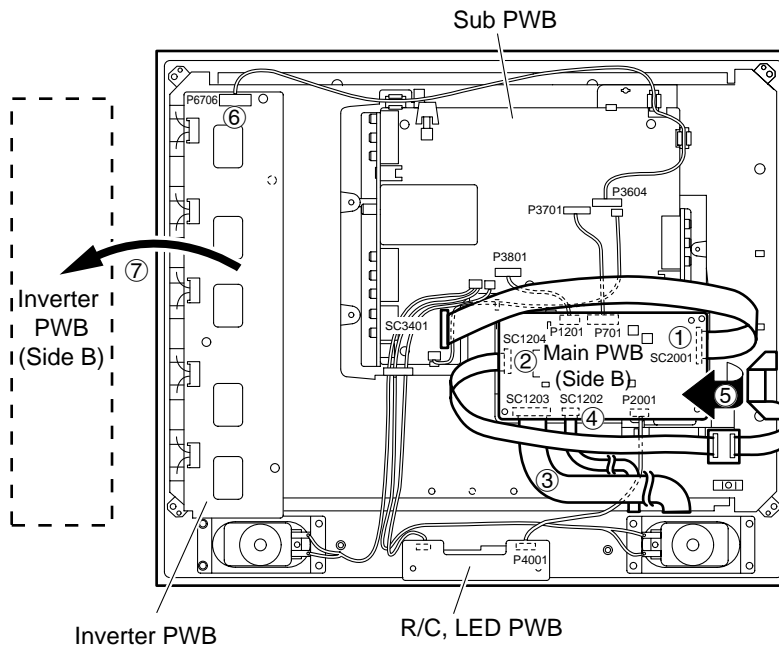


Precautions at the time of the side B(back) service of Main unit.

1. Remove the FFC for connection between Main unit (SC2001) and Sub unit(SC3401), and connect the extended cable (QCNW-A556WJZZ) for service.
2. Remove only SC1204 of the FFC for connection between Main unit (SC1204) and LCD panel unit, and connect the extended cable (QCNW-A553WJZZ) for service.
3. Remove the FFC for connection between Main unit (SC1203) and LCD panel unit, and connect the extended cable (QCNW-A556WJZZ) for service.
4. Remove the FFC for connection between Main unit (SC1202) and LCD panel unit, and connect the extended cable (QCNW-A555WJZZ) for service.
5. Remove the main unit fixing screws (3 pcs.), a substrate is reversed.

Precautions at the time of the side B(back) service of Inverter unit.

6. Remove only P6706 of the cable for connection between Inverter unit (P6706) and Sub unit(P3604), and connect the extended cable (QCNW-B749WJQZ) for service.
7. Remove the Inverter unit fixing screws (3 pcs.), a substrate is reversed.



| Step | Part No. | Description |
|------|---------------|--|
| 1 | QCNW-A556WJZZ | Extension Cable 50-pin Main (SC2001)-Sub (SC3401) |
| 2 | QCNW-A553WJZZ | Extension Cable 30-pin Main (SC1204)-LCD Panel |
| 3 | QCNW-A556WJZZ | Extension Cable 50-pin Main (SC1203)-LCD Panel |
| 4 | QCNW-A555WJZZ | Extension Cable 20-pin Main (SC1202)-LCD Panel |
| 6 | QCNW-B749WJQZ | Extension Cable 10-pin Inverter (P6706)-Sub(P3604) |

ADJUSTING PROCEDURE OF EACH SECTION

1. Pre-adjustment preparations

Use the specific AC adaptor or a stable DC power supply as power source.

LC-13/15/20S2U AC adaptor: UADP-A044WJPZ

DC power supply: 12V, 5.0A

(1) Entering the adjustment process mode

There are two ways to call this mode.

- Press "MENU" and "INPUT SELECT" at once, and the power is turned on (inspection process started). Then press "CHANNEL DOWN" and "VOLUME DOWN" at once.
- Set the KEY4 (pin (81) of microprocessor) or KEY5 (pin (82) of microprocessor) terminal to the "L" level. Now turn on the power.

(2) Key operation in the adjustment process

Basic behavior

- Use the "CHANNEL UP/DOWN" key or the "DIRECT CHANNEL SELECT" key to choose a channel.
- Use the "CURSOR UP/DOWN" key to select an item to adjust. (Let's say that the cursor is on the lowermost item and the "CURSOR DOWN" key is pressed. The uppermost item on the next page will be selected. When the "CURSOR UP" key is pressed with the uppermost item being highlighted, on the other hand, the lowermost item on the preceding page will be selected.)
- Use the "VOLUME UP/DOWN" key or the "CURSOR RIGHT/LEFT" key to adjust the setting of a selected item.
- Press the "MENU" key to go to the next item. (When this key is pressed with the lowermost item being highlighted, the uppermost item on the next page will be selected.)

Hierarchical structure

- Press the "ENTER" key on any item other than I²C DATA on page 4, and the item's setup page will show up.
- To quit the setup page, press the "FLASHBACK" key.

2. Adjusting procedure

(1) Getting initialized

- 1) Set pins (81) and (82) of the IC2001 microprocessor to GND. Turn on the power.
- 2) Make sure the model number is A622. * Note: The model number cannot be selected.
- 3) Select the screen size (13/15/20 inches).
Select the inch size according to the 20" model.

(2) +B adjustment

- 1) Receive the standard color bar signal.
- 2) Rotate R3710 (semi-fixed variable resistor) to adjust the voltage at pin (4) of P3701 on the sub PWB to $5.00V \pm 0.02V$.

Note: Be sure to adjust this PWB in pairs with the main PWB.

Adjust to the 5.00V level as exactly as possible because this level is used as reference for all the other supply voltages.

(3) Common bias adjustment

- 1) Adjust the "COM BIAS" setting on adjustment process page 2 so that the contrast goes to maximum (black most accentuated). (For this adjustment, receive a B/W broadcast channel.)

(4) White balance (cut-off and gain) adjustment

- 1) Receive the black signal (white 40%).
Adjust the "RCUTOFF" and "BCUTOFF" settings on adjustment process page 3 to have the black color temperature as specified.

Adjustment Process Page 3

| | | |
|------------|---|--------------------------------------|
| RCUTOFF | 0 | Red cut - off adjustment |
| GCUTOFF | 0 | Green cut - off adjustment |
| BCUTOFF | 0 | Blue cut - off adjustment |
| R-GAIN | 0 | White balance |
| G-GAIN | 0 | White balance |
| B-GAIN | 0 | White balance |
| D2 RCUTOFF | 0 | Red cut - off adjustment (D2:480P) |
| D2 GCUTOFF | 0 | Green cut - off adjustment (D2:480P) |
| D2 BCUTOFF | 0 | Blue cut - off adjustment (D2:480P) |
| D2 R-GAIN | 0 | White balance (D2:480P) |
| D2 G-GAIN | 0 | White balance (D2:480P) |
| D2 B-GAIN | 0 | White balance (D2:480P) |

2) Receive the white 80% signal.

Adjust two of the "R-GAIN", "G-GAIN" and "B-GAIN" settings in the decreasing direction to have the white color temperature as specified.

Note: Make sure at least one of the "R-GAIN", "G-GAIN" and "B-GAIN" settings is "0".

3) Check to see if the black and white color temperatures are as specified. If not, repeat the above steps 1) and 2).

4) 480P mode white balance adjustment

Set the "D2 GCUTOFF" setting to -7. Check to see if the black and white color temperatures are as specified. If not, repeat the steps 1) thru 3). Adjust also the "D2 R/G/B CUTOFF" and "D2 R/G/B-GAIN" settings.

(5) Factory settings

1) Starting the factory process mode

Press "MENU" and "INPUT SELECT" at once, and the power is turned on (inspection process started). Then press "CHANNEL UP" and "VOLUME UP" at once.

Note: Once the factory settings have been made, immediately turn off the power switch. (At the next power-on, the set gets started in the "EZ SETUP" mode. If an unnecessary key input is added after the factory settings, the set may malfunction.)

2) Factory settings at a glance

| Item | 20S2U |
|----------------------------|-------------|
| LAST CHANNEL | 2ch |
| LAST TV/INPUT | TV |
| LAST AIR/CATV | AIR |
| SKIP DATA CATV | ALL SKIP |
| SKIP DATA AIR | ALL SKIP |
| VOLUME | 20 |
| VIDEO ADJUST (PICTURE) | 50 |
| VIDEO ADJUST (TINT) | 0 |
| VIDEO ADJUST (COLOR) | 0 |
| VIDEO ADJUST (BLACK LEVEL) | 0 |
| VIDEO ADJUST (SHARPNESS) | 0 |
| VIDEO ADJUST (RED-BLUE) | 0 |
| VIDEO ADJUST (GREEN) | 0 |
| LANGUAGE | ENGLISH |
| MTS MODE | STEREO |
| BRIGHTNESS | BRIGHT |
| AUTO POWER OFF | OFF |
| PICTURE FLIP | NORMAL |
| AV2 IN/OUT | IN |
| CC/TEXT | OFF |
| MPAA RATING | NONE |
| GUIDELINE RATING | NONE |
| GUIDELINE CONTENTS | ALL UNBLOCK |
| V-CHIP STATUS | OFF |
| BLUE SCREEN | OFF |
| EZ SETUP SELF-START | ON |
| SLEEP TIMER | CLEAR |
| SECRET No. | CLEAR |
| TV COLOR SYSTEM | N358 |
| AV COLOR SYSTEM | N358 |
| TREBLE | 0 |
| BASS | 0 |
| BALANCE | 0 |
| AUDIO ONLY | OFF |
| AUTO CLOCK SEARCH | OFF |

3. Test patterns in adjustment process mode

(1) IC801 (Video decoder) test patterns

1) Getting the test patterns displayed

Put the screen in AV1, AV2 or COMPONENT but keep out any signal. Call the adjustment process mode, select "TEST PAT MODE" in the 1st line of XVC 1, make the settings 1 thru 12, and the following test patterns show up.

2) Test patterns

| Pattern Mode | Pattern Option | TEST PAT PIC | TEST PAT MODE |
|--------------|----------------|--------------|---------------|
| Color Bar | 100% Color bar | 0 | 1 |
| | 75% Color bar | 1 | 1 |
| Ramp | Ramp | 0 | 2 |
| | Mod Ramp | 1 | 2 |
| Rester | White | 0 | 3 |
| | Yellow | 1 | 3 |
| | Cyan | 2 | 3 |
| | Green | 3 | 3 |
| | Magenta | 4 | 3 |
| | Red | 5 | 3 |
| | Blue | 6 | 3 |
| | Black | 7 | 3 |

(2) IC1201 (LCD controller) test pattern

1) Getting the test pattern displayed

Put the screen in AV1, AV2 or COMPONENT but keep out any signal. Call the adjustment process mode, select "DPS TESTP" in the 3rd line of DPS 1, turn on the setting, and the following test pattern shows up.

2) Test pattern

The following test pattern appears.

| | | | | | | |
|-------|--|------------|-----------|--------|--|-------|
| Dark | | Gray scale | | Bright | | Dark |
| Dark | | Red | | Bright | | Dark |
| Dark | | Green | | Bright | | Dark |
| Dark | | Blue | | Bright | | Dark |
| Black | | | Gray | | | White |
| | | | Gradation | | | |

Note: When the IC801 and IC1201 test pattern display commands are both turned on at the same time, the IC1201 test pattern is given priority.

Pin functions of microprocessor IC (IC2001) RH-iXA622WJZZQ

| Pin No. | I/O | Pin Name | Function |
|---------|-----|------------|---|
| 1 | I | Vhold | For closed caption |
| 2 | I/O | HLF | For closed caption |
| 3 | O | 1 BIT_MUTE | N.C |
| 4 | O | OPC_LED | For OPC LED lighting |
| 5 | O | VGH | For panel power supply control |
| 6 | I | CSYNC | Composite sync signal |
| 7 | I | IREM1 | Remote control |
| 8 | O | BYTE | GND |
| 9 | O | CNVss | GND ("H" at flash writing) |
| 10 | I | Xcin | 32 kHz oscillation input |
| 11 | O | Xout | 32 kHz oscillation output |
| 12 | I | RESET | Reset at "L" |
| 13 | O | Xout | Microprocessor oscillator connection |
| 14 | I | Vss | GND |
| 15 | I | Xin | Microprocessor oscillator connection |
| 16 | I | Vccl | Power supply (3.3 V) |
| 17 | I | OSCIin | Input of clock for OSD |
| 18 | O | OSCOout | N.C |
| 19 | I | PSWin | Power supply monitor ("L" at power-ON) |
| 20 | O | IRQN | Spare |
| 21 | O | BLK | OSD blanking output |
| 22 | O | OSD_1 | OSD Emphasis signal output |
| 23 | O | DAC1CS | Gradation control IC chip selection |
| 24 | O | VDSW1 | Video SW switching 1 output |
| 25 | O | D_SEL | N.C |
| 26 | O | F_SEL | N.C |
| 27 | I | MRDY | I2C bus open connection switching input |
| 28 | I/O | SCL2 | I2C bus serial clock line 2 |
| 29 | I/O | SCL1 | I2C bus serial clock line 1 |
| 30 | I/O | SDA1 | I2C bus serial data line 1 |
| 31 | I/O | SDA2 | I2C bus serial data line 2 |
| 32 | O | OSD_R | OSD R signal output |
| 33 | O | OSD_G | OSD G signal output |
| 34 | O | OSD_B | OSD B signal output |
| 35 | O | SUBDout | Sub-microprocessor data output (T x D at flash writing) |
| 36 | I | SUBDin | Sub-microprocessor data input (R x D at flash writing) |
| 37 | I | SCLK | Clock input at flash writing |
| 38 | O | BUSY | BUSY output at flash writing |
| 39 | O | MAIN SW | Main switch ON "H"/OFF "L" (LED power supply control) |
| 40 | O | MON SW | N.C |
| 41 | I | EPM | "L" at flash writing |
| 42 | I | L_ERR | Fluorescent lamp error detection process (Error at "H") |
| 43 | O | S IN/OUT | Audio input/output switching (Audio output at "L") |
| 44 | O | PC/VD | N.C |
| 45 | O | TIMELED | For LED lighting in working of timer |
| 46 | I | CE | "H" at flash writing |
| 47 | O | AV1/AV2 | AV selector switch |
| 48 | O | TV/AV | AV selector switch |
| 49 | O | TEXT-ON | N.C |
| 50 | O | VSHOUT | Panel gate driver voltage control |

| Pin No. | I/O | Pin Name | Function |
|---------|-----|-----------|---|
| 51 | I | SSW2 | S-terminal connection (S2-terminal at "L") |
| 52 | O | HPMUTE | Headphone mute |
| 53 | O | SP MUTE 1 | Main speaker mute |
| 54 | O | CVBS/Y | CVBS/Y switching |
| 55 | I | HP DET | Headphone detection (Headphone at "L") |
| 56 | O | SSTBY | Speaker standby ("L" at standby) |
| 57 | I | VSH IN | Panel gate driver voltage confirmation (Standby status maintained at "H") |
| 58 | O | LMUTE | Line-out audio mute (Audio output mute at "H") |
| 59 | O | V IN/OUT | Video input/output switching (Video output at "L") |
| 60 | O | SRESET | Stereo IC (MSP) ("L" output at reset) |
| 61 | O | C IN/OUT | N.C |
| 62 | I | HSYNC | OSD horizontal sync signal |
| 63 | O | MIX. | N.C |
| 64 | O | VSYNC | OSD vertical sync signal |
| 65 | O | UP1 | N.C |
| 66 | O | UP0 | N.C |
| 67 | O | VDSW2 | Video switching 2 output |
| 68 | O | EXT | N.C |
| 69 | O | I2/UA | N.C |
| 70 | O | POWout | N.C |
| 71 | O | INV_POW | Separated exciting type inverter power supply control |
| 72 | O | POWout | DC/DC control output |
| 73 | I | ADPPOW | Adaptor ON/OFF input |
| 74 | O | DACOUTCON | For gradation control IC output control (Output at "H") |
| 75 | O | MP_RCS | Lead enable for QS-compliant controller |
| 76 | O | MP_RDA | Data input for QS-compliant controller |
| 77 | O | MP_CS | Chip selection for QS-compliant controller |
| 78 | O | MP_DA | QS-compliant controller or gradation control IC data output |
| 79 | O | MP_CLK | QS-compliant controller or gradation control IC clock output |
| 80 | O | DDC_RESET | VPC, 3DY/C, DPS and QS-compliant controller ("L" output at reset) |
| 81 | I | KEY4 | Key input 4 |
| 82 | I | KEY5 | Key input 5 |
| 83 | O | LED_POW | TV power supply LED control (Green at "H", red at "L") |
| 84 | O | SAW_SW | N.C |
| 85 | O | MODE1 | N.C |
| 86 | O | MODE2 | N.C |
| 87 | I | POWin | DC/DC start detection (Detected at "H") |
| 88 | I | SSW | S-terminal connection (S1-terminal at "L") |
| 89 | I | AFT | AFT voltage input |
| 90 | I | AGC | AGC input voltage |
| 91 | I | KEY1 | Key input 1 |
| 92 | I | KEY2 | Key input 2 |
| 93 | I | C/N | N.C |
| 94 | O | OPC_IN | OPC sensor level input |
| 95 | I | V HOLD2 | For closed caption |
| 96 | I/O | HLF2 | For closed caption |
| 97 | I | CVin2 | For closed caption |
| 98 | I | TVSETB | Test input terminal (Fixed at "L") |
| 99 | I | VccE | Power supply (5V) |
| 100 | I | CVin1 | For closed caption |

Table of Adjusting Process Defaults

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|-----------------------|----------------|---------------|---|--|
| Basic settings | | | | |
| 1 | MODEL | A622 | Model name selection (For prevention of malfunction, model name cannot be changed.) | |
| | INCH SIZE | 20 | Inch size selection | |
| | ERROR NO RESET | 0 | Lamp error count and reset | For more than 5, adjustment process should be started as soon as power is turned ON. |
| | PUBLIC MODE | OFF | Hotel mode setting | |
| | V-CHIP | 1 | VCHIP line MUTE setting | |
| | CANADIAN VCHIP | OFF | Canadian VCHIP compliance setting | |
| | EXT CONTROL | OFF | Bus, UART open: "ON" to "OFF" (OSD display is not changed.) | |
| | XVC SHARPNESS | OFF | With or without SHARPNESS adjustment by XVC (480P is ineffective.) | |
| 2 | COM BIAS | 110 | Common bias adjustment | DAC OUT0A(00h) |
| 3 | RCUTOFF | 0 | Red cutoff adjustment | DSP control |
| | GCUTOFF | 0 | Green cutoff adjustment | DSP control |
| | BCUTOFF | 0 | Blue cutoff adjustment | DSP control |
| | R-GAIN | 0 | White balance | DSP control |
| | G-GAIN | 0 | White balance | DSP control |
| | B-GAIN | 0 | White balance | DSP control |
| | D2 RCUTOFF | 0 | Red cutoff adjustment (D2) | DSP control |
| | D2 GCUTOFF | 0 | Green cutoff adjustment (D2) | DSP control |
| | D2 BCUTOFF | 0 | Blue cutoff adjustment (D2) | DSP control |
| | D2 R-GAIN | 0 | White balance (D2) | DSP control |
| | D2 G-GAIN | 0 | White balance (D2) | DSP control |
| | D2 B-GAIN | 0 | White balance (D2) | DSP control |
| 4 | I2C DATA | 0 | I2C BUS control IC Data WRITE & READ | |
| | I2C DATA | WAIT | WRITE & READ execution | |
| | SOUND | | Goes to SOUND adjustment page. | |
| | XVC | | Goes to XVC (XV 750) adjustment page. | |
| | DPS | | Goes to DPS adjustment page. | |
| | DAC | | Goes to DAC adjustment page. | |
| | TUNER | | Goes to TUNER adjustment page. | |
| | OTHERS | | Goes to other adjustment page. | |

Sound volume

| | | | | |
|--------|------------------|------|-------------------------------------|--|
| SOUND1 | VOLUME | 20 | Sound volume | |
| | AVC | OFF | AVC setting | |
| | MSP DATA | 0 | Audio IC MSP data WRITE & READ | |
| | MSP DATA | WAIT | WRITE & READ execution | |
| | CARRIER MUTE | ON | Audio output setting for no TV sync | |
| | SP TEST | OFF | For audio test | |
| SOUND2 | PRESCALE SCART | 27 | Pre-scale setting (External input) | |
| | PRESCALE FM/AM-M | 31 | Pre-scale setting (TV) | |
| | IGR THR | 12D | | |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|-------------|---------------|---|---|
| SOUND3 | BASS EQ SET | 0 | User sound control bass value | |
| | TREB EQ SET | 0 | User sound control treble value | |
| | EQ LIMIT 00 | 00 | Equalizer limit table 00 sound volume setting value | |
| | EQ LIMIT 00 | +12.0 | Equalizer limit table 00 limit setting value | |
| | EQ LIMIT 01 | 10 | Equalizer limit table 01 limit setting value | |
| | EQ LIMIT 01 | +12.0 | Equalizer limit table 01 limit setting value | |
| | EQ LIMIT 02 | 20 | Equalizer limit table 02 limit setting value | |
| | EQ LIMIT 02 | +12.0 | Equalizer limit table 02 limit setting value | |
| | EQ LIMIT 03 | 25 | Equalizer limit table 03 limit setting value | |
| | EQ LIMIT 03 | +12.0 | Equalizer limit table 03 limit setting value | |
| | EQ LIMIT 04 | 30 | Equalizer limit table 04 limit setting value | |
| | EQ LIMIT 04 | +12.0 | Equalizer limit table 04 limit setting value | |
| | EQ LIMIT 05 | 35 | Equalizer limit table 05 limit setting value | |
| | EQ LIMIT 05 | +12.0 | Equalizer limit table 05 limit setting value | |
| | EQ LIMIT 06 | 40 | Equalizer limit table 06 limit setting value | |
| | EQ LIMIT 06 | +12.0 | Equalizer limit table 06 limit setting value | |
| | EQ LIMIT 07 | 42 | Equalizer limit table 07 limit setting value | |
| | EQ LIMIT 07 | +12.0 | Equalizer limit table 07 limit setting value | |
| | EQ LIMIT 08 | 44 | Equalizer limit table 08 limit setting value | |
| | EQ LIMIT 08 | +12.0 | Equalizer limit table 08 limit setting value | |
| | EQ LIMIT 09 | 46 | Equalizer limit table 09 limit setting value | |
| | EQ LIMIT 09 | +12.0 | Equalizer limit table 09 limit setting value | |
| | EQ LIMIT 10 | 48 | Equalizer limit table 10 limit setting value | |
| | EQ LIMIT 10 | +12.0 | Equalizer limit table 10 limit setting value | |
| | EQ LIMIT 11 | 50 | Equalizer limit table 11 limit setting value | |
| | EQ LIMIT 11 | +12.0 | Equalizer limit table 11 limit setting value | |
| | EQ LIMIT 12 | 52 | Equalizer limit table 12 limit setting value | |
| | EQ LIMIT 12 | +12.0 | Equalizer limit table 12 limit setting value | |
| | EQ LIMIT 13 | 54 | Equalizer limit table 13 limit setting value | |
| | EQ LIMIT 13 | +12.0 | Equalizer limit table 13 limit setting value | |
| | EQ LIMIT 14 | 56 | Equalizer limit table 14 limit setting value | |
| | EQ LIMIT 14 | +12.0 | Equalizer limit table 14 limit setting value | |
| | EQ LIMIT 15 | 58 | Equalizer limit table 15 limit setting value | |
| | EQ LIMIT 15 | +12.0 | Equalizer limit table 15 limit setting value | |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|----------|---------------|-----------------|---|
| SOUND4 | 0 BAND1 | +0275 | Equalizer table | |
| | 0 BAND2 | -0450 | Equalizer table | |
| | 0 BAND3 | -0175 | Equalizer table | |
| | 0 BAND4 | +0600 | Equalizer table | |
| | 0 BAND5 | +0400 | Equalizer table | |
| | 1 BAND1 | +0325 | Equalizer table | |
| | 1 BAND2 | -0450 | Equalizer table | |
| | 1 BAND3 | -0175 | Equalizer table | |
| | 1 BAND4 | +0600 | Equalizer table | |
| | 1 BAND5 | +0450 | Equalizer table | |
| | 2 BAND1 | +0375 | Equalizer table | |
| | 2 BAND2 | -0450 | Equalizer table | |
| | 2 BAND3 | -0175 | Equalizer table | |
| | 2 BAND4 | +0600 | Equalizer table | |
| | 2 BAND5 | +0500 | Equalizer table | |
| | 3 BAND1 | +0425 | Equalizer table | |
| | 3 BAND2 | -0450 | Equalizer table | |
| | 3 BAND3 | -0175 | Equalizer table | |
| | 3 BAND4 | +0600 | Equalizer table | |
| | 3 BAND5 | +0550 | Equalizer table | |
| | 4 BAND1 | +0475 | Equalizer table | |
| | 4 BAND2 | -0450 | Equalizer table | |
| | 4 BAND3 | -0175 | Equalizer table | |
| | 4 BAND4 | +0625 | Equalizer table | |
| | 4 BAND5 | +0600 | Equalizer table | |
| | 5 BAND1 | +0550 | Equalizer table | |
| | 5 BAND2 | -0400 | Equalizer table | |
| | 5 BAND3 | -0175 | Equalizer table | |
| | 5 BAND4 | +0650 | Equalizer table | |
| | 5 BAND5 | +0650 | Equalizer table | |
| | 6 BAND1 | +0625 | Equalizer table | |
| | 6 BAND2 | -0350 | Equalizer table | |
| | 6 BAND3 | -0175 | Equalizer table | |
| | 6 BAND4 | +0675 | Equalizer table | |
| | 6 BAND5 | +0700 | Equalizer table | |
| | 7 BAND1 | +0700 | Equalizer table | |
| | 7 BAND2 | -0300 | Equalizer table | |
| | 7 BAND3 | -0175 | Equalizer table | |
| | 7 BAND4 | +0700 | Equalizer table | |
| | 7 BAND5 | +0775 | Equalizer table | |
| | 8 BAND1 | +0775 | Equalizer table | |
| | 8 BAND2 | -0250 | Equalizer table | |
| | 8 BAND3 | -0175 | Equalizer table | |
| | 8 BAND4 | +0750 | Equalizer table | |
| | 8 BAND5 | +0850 | Equalizer table | |
| | 9 BAND1 | +0850 | Equalizer table | |
| | 9 BAND2 | -0200 | Equalizer table | |
| | 9 BAND3 | -0175 | Equalizer table | |
| | 9 BAND4 | +0800 | Equalizer table | |
| | 9 BAND5 | +0925 | Equalizer table | |
| | 10 BAND1 | +0925 | Equalizer table | |
| | 10 BAND2 | -0150 | Equalizer table | |
| | 10 BAND3 | -0175 | Equalizer table | |
| | 10 BAND4 | +0850 | Equalizer table | |
| | 10 BAND5 | +1000 | Equalizer table | |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|-----------|---------------|-----------------|---|
| SOUND5 | 0 BAND1 | +0275 | Equalizer table | |
| | 0 BAND2 | -0450 | Equalizer table | |
| | 0 BAND3 | -0175 | Equalizer table | |
| | 0 BAND4 | +0600 | Equalizer table | |
| | 0 BAND5 | +0400 | Equalizer table | |
| | -1 BAND1 | +0225 | Equalizer table | |
| | -1 BAND2 | -0450 | Equalizer table | |
| | -1 BAND3 | -0175 | Equalizer table | |
| | -1 BAND4 | +0600 | Equalizer table | |
| | -1 BAND5 | +0350 | Equalizer table | |
| | -2 BAND1 | +0175 | Equalizer table | |
| | -2 BAND2 | -0450 | Equalizer table | |
| | -2 BAND3 | -0175 | Equalizer table | |
| | -2 BAND4 | +0600 | Equalizer table | |
| | -2 BAND5 | +0300 | Equalizer table | |
| | -3 BAND1 | +0125 | Equalizer table | |
| | -3 BAND2 | -0450 | Equalizer table | |
| | -3 BAND3 | -0175 | Equalizer table | |
| | -3 BAND4 | +0600 | Equalizer table | |
| | -3 BAND5 | +0250 | Equalizer table | |
| | -4 BAND1 | +0075 | Equalizer table | |
| | -4 BAND2 | -0450 | Equalizer table | |
| | -4 BAND3 | -0175 | Equalizer table | |
| | -4 BAND4 | +0575 | Equalizer table | |
| | -4 BAND5 | +0200 | Equalizer table | |
| | -5 BAND1 | 0000 | Equalizer table | |
| | -5 BAND2 | -0500 | Equalizer table | |
| | -5 BAND3 | -0175 | Equalizer table | |
| | -5 BAND4 | +0550 | Equalizer table | |
| | -5 BAND5 | +0150 | Equalizer table | |
| | -6 BAND1 | -0075 | Equalizer table | |
| | -6 BAND2 | -0550 | Equalizer table | |
| | -6 BAND3 | -0175 | Equalizer table | |
| | -6 BAND4 | +0525 | Equalizer table | |
| | -6 BAND5 | +0100 | Equalizer table | |
| | -7 BAND1 | -0150 | Equalizer table | |
| | -7 BAND2 | -0600 | Equalizer table | |
| | -7 BAND3 | -0175 | Equalizer table | |
| | -7 BAND4 | +0500 | Equalizer table | |
| | -7 BAND5 | +0025 | Equalizer table | |
| | -8 BAND1 | -0225 | Equalizer table | |
| | -8 BAND2 | -0650 | Equalizer table | |
| | -8 BAND3 | -0175 | Equalizer table | |
| | -8 BAND4 | +0450 | Equalizer table | |
| | -8 BAND5 | -0050 | Equalizer table | |
| | -9 BAND1 | -0300 | Equalizer table | |
| | -9 BAND2 | -0700 | Equalizer table | |
| | -9 BAND3 | -0175 | Equalizer table | |
| | -9 BAND4 | +0400 | Equalizer table | |
| | -9 BAND5 | -0125 | Equalizer table | |
| | -10 BAND1 | -0375 | Equalizer table | |
| | -10 BAND2 | -0750 | Equalizer table | |
| | -10 BAND3 | -0175 | Equalizer table | |
| | -10 BAND4 | +0350 | Equalizer table | |
| | -10 BAND5 | -0200 | Equalizer table | |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|-----------------------|----------------------|---------------|--|---|
| Video setting (XV750) | | | | |
| XVC01 | TEST PAT MODE | 0 | XV750 test pattern selection (Mode) | |
| | TEST PAT PICT | 0 | XV750 test pattern selection (Picture) | |
| | TEST PAT AMP | 0 | XV750 test pattern selection (Amplitude) | |
| | VCXO MODE A | 1 | Line lock mode setting (TV/AV) | |
| | VCXO MODE B | 2 | Line lock mode setting (DVD) | |
| | VCXO CTL DC OFST | 0 | VCXO control voltage DC offset | |
| | VCXO CTL TC | 11 | Constant at VCXO control | |
| | SV PORT POL | 0 | SV port control signal polarity setting (in bits) | |
| | BELL FLT SFT | 0 | Bell filter shift characteristics | |
| | BELL FLT SHRP | 0 | Bell filter sharp characteristics | |
| | DE-EMPHASYS | 0 | De-emphasis filter characteristics | |
| XVC02 | HSYNC DELAY | 38 | H sync phase setting (in pixels) | |
| | VSXNC DELAY | 0 | V sync phase setting (in pixels) | |
| | VSXNC LINE SHIFT | 11 | V sync phase setting (in lines) | |
| | ACC TC | 4 | Constant at ACC | |
| | AGC TC | 4 | Constant at AGC | |
| | PEAK AGC SET TC | 4 | Constant at peak AGC setup | |
| | PEAK AGC RLS TC | 4 | Constant at peak AGC release | |
| | PEAK AGC RLS LEV | 8 | Peak AGC release level | |
| | PEDLEV DET TC | 0 | Constant at pedestal level detection | |
| | COLER KILL ACT LEVEL | 1 | Color killer level setting | |
| | COLER KILL RCV LEVEL | 0 | Color killer hysteresis setting | |
| XVC03 | TV AGC MODE | 1 | AGC operation mode setting (TV) | |
| | AV AGC MODE | 1 | AGC operation mode setting (Composite, S Video) | |
| | DVD AGC MODE | 1 | AGC operation mode setting (DVD) | |
| | TV PEAK AGC REF | +3 | Peak AGC reference level (TV) | |
| | AV PEAK AGC REF | +10 | Peak AGC reference level (Composite, S Video) | |
| | DVD PEAK AGC REF | +10 | Peak AGC reference level (DVD) | |
| XVC04 | TV Y DELAY | 0 | Y phase setting (TV) | |
| | AVC Y DELAY | 0 | Y phase setting (Composite) | |
| | AVS Y DELAY | 0 | Y phase setting (S Video) | |
| | DVD Y DELAY | 0 | Y phase setting (DVD) | |
| | TV C DELAY | -1 | C phase setting (TV) | |
| | AVC C DELAY | -1 | C phase setting (Composite) | |
| | AVS C DELAY | -1 | C phase setting (S Video) | |
| | DVD C DELAY | -1 | C phase setting (DVD) | |
| XVC05 | TV V PEAKING FILTER | 0 | Vertical edge correction OFF/ON (TV) | |
| | AVC V PEAKING FILTER | 0 | Vertical edge correction OFF/ON (Composite) | |
| | AVS V PEAKING FILTER | 0 | Vertical edge correction OFF/ON (S Video) | |
| | TV V PEAKING WEIT | 0 | Vertical edge corrected intensity (TV) | |
| | AVC V PEAKING WEIT | 0 | Vertical edge corrected intensity (Composite) | |
| | AVS V PEAKING WEIT | 0 | Vertical edge corrected intensity (S Video) | |
| | TV V PEAKING CORING | 0 | Vertical edge correction coring (TV) | |
| | AVC V PEAKING CORING | 0 | Vertical edge correction coring (Composite) | |
| | AVS V PEAKING CORING | 0 | Vertical edge correction coring (S Video) | |
| XVC06 | TV CONTRAST | 12 | Picture setting (TV) | |
| | AV CONTRAST | 12 | Picture setting (Composite, S Video) | |
| | DVD CONTRAST | 12 | Picture setting (DVD) | |
| | TV BRIGHTNESS | -3 | Brightness setting (TV) | |
| | AV BRIGHTNESS | -3 | Brightness setting (Composite, S Video) | |
| | DVD BRIGHTNESS | -3 | Brightness setting (DVD) | |
| | TV TRAP FLT | 2 | Trap filter Setting (TV) | |
| | AVC TRAP FLT | 2 | Trap filter Setting (Composite) | |
| | AVS TRAP FLT | 2 | Trap filter Setting (S Video) | |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|--------------------------|---------------|---|---|
| XVC07 | N358 TV CHROMA BPF | 0 | Chroma band-pass setting (TV) | |
| | N358 AVC CHROMA BPF | 0 | Chroma band-pass setting (Composite) | |
| | N358 AVS CHROMA BPF | 0 | Chroma band-pass setting (S Video) | |
| | N358 BPFS | 0 | COM filter setting | |
| | N358 LUMA DIG FIX GAIN | 191 | Luminance fixation digital gain setting | |
| | N358 TV COLOR | +35 | Color depth setting (TV) | |
| | N358 AV COLOR | +35 | Color depth setting (Composite, S Video) | |
| | N358 U | 0 | Color depth U setting (TV, composite, S Video) | |
| | N358 V | 0 | Color depth V setting (TV, composite, S Video) | |
| | N358 TINT | +8 | Color tone setting (TV, composite, S Video) | |
| | N358 UVOFST | 0 | Color tone setting 2 (TV, composite, S Video) | |
| XVC08 | N358 TV PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (TV) | |
| | N358 AVC PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (Composite) | |
| | N358 AVS PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (S Video) | |
| | N358 TV H-PEAKING | 6 | Horizontal edge corrected amount (TV) | |
| | N358 AVC H-PEAKING | 6 | Horizontal edge corrected amount (Composite) | |
| | N358 AVS H-PEAKING | 6 | Horizontal edge corrected amount (S Video) | |
| | N358 TV CORING | 3 | Horizontal edge correction coring (TV) | |
| | N358 AVC CORING | 3 | Horizontal edge correction coring (Composite) | |
| | N358 AVS CORING | 3 | Horizontal edge correction coring (S Video) | |
| XVC09 | PAL-M TV CHROMA BPF | 0 | Chroma band-pass setting (TV) | |
| | PAL-M AVC CHROMA BPF | 0 | Chroma band-pass setting (Composite) | |
| | PAL-M AVS CHROMA BPF | 0 | Chroma band-pass setting (S Video) | |
| | PAL-M BPFS | 0 | COM filter setting | |
| | PAL-M LUMA DIG FIX GAIN | 195 | Luminance fixation digital gain setting | |
| | PAL-M TV COLOR | 20 | Color depth setting (TV) | |
| | PAL-M AV COLOR | 20 | Color depth setting (Composite, S Video) | |
| | PAL-M U | 0 | Color depth U setting (TV, composite, S Video) | |
| | PAL-M V | 0 | Color depth V setting (TV, composite, S Video) | |
| | PAL-M TINT | 0 | Color tone setting (TV, composite, S Video) | |
| | PAL-M UVOFST | 0 | Color tone setting 2 (TV, composite, S Video) | |
| XVC10 | PAL-M TV PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (TV) | |
| | PAL-M AVC PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (Composite) | |
| | PAL-M AVS PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (S Video) | |
| | PAL-M TV H-PEAKING | 6 | Horizontal edge corrected amount (TV) | |
| | PAL-M AVC H-PEAKING | 6 | Horizontal edge corrected amount (Composite) | |
| | PAL-M AVS H-PEAKING | 6 | Horizontal edge corrected amount (S Video) | |
| | PAL-M TV CORING | 3 | Horizontal edge correction coring (TV) | |
| | PAL-M AVC CORING | 3 | Horizontal edge correction coring (Composite) | |
| | PAL-M AVS CORING | 3 | Horizontal edge correction coring (S Video) | |
| XVC11 | PAL-N TV CHROMA BPF | 0 | Chroma band-pass setting (TV) | |
| | PAL-N AVC CHROMA BPF | 0 | Chroma band-pass setting (Composite) | |
| | PAL-N AVS CHROMA BPF | 0 | Chroma band-pass setting (S Video) | |
| | PAL-N BPFS | 0 | COM filter setting | |
| | PAL-N LUMA DIG FIX GAIN | 195 | Luminance fixation digital gain setting | |
| | PAL-N TV COLOR | 20 | Color depth setting (TV) | |
| | PAL-N AV COLOR | 20 | Color depth setting (Composite, S Video) | |
| | PAL-N U | 0 | Color depth U setting (TV, composite, S Video) | |
| | PAL-N V | 0 | Color depth V setting (TV, composite, S Video) | |
| | PAL-N TINT | 0 | Color tone setting (TV, composite, S Video) | |
| | PAL-N UVOFST | 0 | Color tone setting 2 (TV, composite, S Video) | |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|--------------------------|---------------|--|---|
| XVC12 | PAL-N TV PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (TV) | |
| | PAL-N AVC PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (Composite) | |
| | PAL-N AVS PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (S Video) | |
| | PAL-N TV H-PEAKING | 6 | Horizontal edge corrected amount (TV) | |
| | PAL-N AVC H-PEAKING | 6 | Horizontal edge corrected amount (Composite) | |
| | PAL-N AVS H-PEAKING | 6 | Horizontal edge corrected amount (S Video) | |
| | PAL-N TV CORING | 3 | Horizontal edge correction coring (TV) | |
| | PAL-N AVC CORING | 3 | Horizontal edge correction coring (Composite) | |
| XVC13 | PAL-N AVS CORING | 3 | Horizontal edge correction coring (S Video) | |
| | PAL TV CHROMA BPF | 0 | Chroma band-pass setting (TV) | |
| | PAL AVC CHROMA BPF | 0 | Chroma band-pass setting (Composite) | |
| | PAL AVS CHROMA BPF | 0 | Chroma band-pass setting (S Video) | |
| | PAL BPFS | 0 | COM filter setting | |
| | PAL LUMA DIG FIX GAIN | 195 | Luminance fixation digital gain setting | |
| | PAL TV COLOR | 20 | Color depth setting (TV) | |
| | PAL AV COLOR | 20 | Color depth setting (Composite, S Video) | |
| | PAL U | 0 | Color depth U setting (TV, composite, S Video) | |
| | PAL V | 0 | Color depth V setting (TV, composite, S Video) | |
| | PAL TINT | 0 | Color tone setting (TV, composite, S Video) | |
| XVC14 | PAL UVOFST | 0 | Color tone setting 2 (TV, composite, S Video) | |
| | PAL TV PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (TV) | |
| | PAL AVC PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (Composite) | |
| | PAL AVS PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (S Video) | |
| | PAL TV H-PEAKING | 6 | Horizontal edge corrected amount (TV) | |
| | PAL AVC H-PEAKING | 6 | Horizontal edge corrected amount (Composite) | |
| | PAL AVS H-PEAKING | 6 | Horizontal edge corrected amount (S Video) | |
| | PAL TV CORING | 3 | Horizontal edge correction coring (TV) | |
| XVC15 | PAL AVC CORING | 3 | Horizontal edge correction coring (Composite) | |
| | PAL AVS CORING | 3 | Horizontal edge correction coring (S Video) | |
| | SECAM TV CHROMA BPF | 0 | Chroma band-pass setting (TV) | |
| | SECAM AVC CHROMA BPF | 0 | Chroma band-pass setting (Composite) | |
| | SECAM AVS CHROMA BPF | 0 | Chroma band-pass setting (S Video) | |
| | SECAM LUMA DIG FIX GAIN | 195 | Luminance fixation digital gain setting | |
| XVC16 | SECAM U | 0 | Color depth U setting (TV, composite, S Video) | |
| | SECAM V | 0 | Color depth V setting (TV, composite, S Video) | |
| | SECAM TV PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (TV) | |
| | SECAM AVC PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (Composite) | |
| | SECAM AVS PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (S Video) | |
| | SECAM TV H-PEAKING | 6 | Horizontal edge corrected amount (TV) | |
| | SECAM AVC H-PEAKING | 6 | Horizontal edge corrected amount (Composite) | |
| | SECAM AVS H-PEAKING | 6 | Horizontal edge corrected amount (S Video) | |
| | SECAM TV CORING | 3 | Horizontal edge correction coring (TV) | |
| | SECAM AVC CORING | 3 | Horizontal edge correction coring (Composite) | |
| | SECAM AVS CORING | 3 | Horizontal edge correction coring (S Video) | |
| | | | | |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|--------------------------|---------------|---|---|
| XVC17 | PAL60 TV CHROMA BPF | 0 | Chroma band-pass setting (TV) | |
| | PAL60 AVC CHROMA BPF | 0 | Chroma band-pass setting (Composite) | |
| | PAL60 AVS CHROMA BPF | 0 | Chroma band-pass setting (S Video) | |
| | PAL60 LUMA DIG FIX GAIN | 195 | Luminance fixation digital gain setting | |
| | PAL60 TV COLOR | 20 | Color depth setting (TV) | |
| | PAL60 AV COLOR | 20 | Color depth setting (Composite, S Video) | |
| | PAL60 U | 0 | Color depth U setting (TV, composite, S Video) | |
| | PAL60 V | 0 | Color depth V setting (TV, composite, S Video) | |
| | PAL60 TINT | 0 | Color tone setting (TV, composite, S Video) | |
| | PAL60 UVOFST | 0 | Color tone setting 2 (TV, composite, S Video) | |
| XVC18 | PAL60 TV PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (TV) | |
| | PAL60 AVC PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (Composite) | |
| | PAL60 AVS PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (S Video) | |
| | PAL60 TV H-PEAKING | 6 | Horizontal edge corrected amount (TV) | |
| | PAL60 AVC H-PEAKING | 6 | Horizontal edge corrected amount (Composite) | |
| | PAL60 AVS H-PEAKING | 6 | Horizontal edge corrected amount (S Video) | |
| | PAL60 TV CORING | 3 | Horizontal edge correction coring (TV) | |
| | PAL60 AVC CORING | 3 | Horizontal edge correction coring (Composite) | |
| | PAL60 AVS CORING | 3 | Horizontal edge correction coring (S Video) | |
| XVC19 | N443 TV CHROMA BPF | 0 | Chroma band-pass setting (TV) | |
| | N443 AVC CHROMA BPF | 0 | Chroma band-pass setting (Composite) | |
| | N443 AVS CHROMA BPF | 0 | Chroma band-pass setting (S Video) | |
| | N443 LUMA DIG FIX GAIN | 191 | Luminance fixation digital gain setting | |
| | N443 TV COLOR | 20 | Color depth setting (TV) | |
| | N443 AV COLOR | 20 | Color depth setting (Composite, S Video) | |
| | N443 U | 0 | Color depth U setting (TV, composite, S Video) | |
| | N443 V | 0 | Color depth V setting (TV, composite, S Video) | |
| | N443 TINT | 0 | Color tone setting (TV, composite, S Video) | |
| XVC20 | N443 UVOFST | 0 | Color tone setting 2 (TV, composite, S Video) | |
| | N443 TV PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (TV) | |
| | N443 AVC PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (Composite) | |
| | N443 AVS PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics (S Video) | |
| | N443 TV H-PEAKING | 6 | Horizontal edge corrected amount (TV) | |
| | N443 AVC H-PEAKING | 6 | Horizontal edge corrected amount (Composite) | |
| | N443 AVS H-PEAKING | 6 | Horizontal edge corrected amount (S Video) | |
| | N443 TV CORING | 3 | Horizontal edge correction coring (TV) | |
| | N443 AVC CORING | 3 | Horizontal edge correction coring (Composite) | |
| XVC21 | N443 AVS CORING | 3 | Horizontal edge correction coring (S Video) | |
| | DVD LUMA DIG FIX GAIN | 195 | Luminance fixation digital gain setting | |
| | DVD U | 0 | Color depth U setting (TV, composite, S Video) | |
| XVC22 | DVD V | 0 | Color depth V setting (TV, composite, S Video) | |
| | DVD PEAKING FILTER | 0 | Horizontal edge correction OFF/ON, F characteristics | |
| | DVD H-PEAKING | 6 | Horizontal edge corrected amount | |
| | DVD CORING | 3 | Horizontal edge correction coring | |
| | XVC DATA | 0 | XVC I2C BUS control data WRITE & READ | |
| | XVC DATA | WAIT | WRITE (0XXYY) & READ (1XXYY) execution XX = Address, YY = Data | |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|------|---------------|----------|---|
|----------|------|---------------|----------|---|

Picture (DPS)

| | | | | |
|-------|---------------------|------|--|--|
| DPS01 | DPS DATA | 0 | Picture IC DPD data WRITE & READ | Not used. |
| | DPS DATA | WAIT | WRITE & READ execution | Not used. |
| | DPS TESTP | OFF | DPS pattern selection | See the test pattern of adjustment process mode. |
| | N358 TV COLOR | 25 | Color depth setting (TV) | Not used. |
| | N358 AV COLOR | 30 | Color depth setting (Composite, S Video) | Not used. |
| | N358 TV TINT | 6 | Color tone setting (TV) | Not used. |
| | N358 AV TINT | 4 | Color tone setting (Composite, S Video) | Not used. |
| | N358 BRIGHTNESS | 12 | Brightness setting (TV, composite, S Video) | Not used. |
| | N358 TV CONTRAST | 55 | Picture setting (TV) | Not used. |
| | N358 AV CONTRAST | 55 | Picture setting (Composite, S Video) | Not used. |
| DPS02 | N358 TV PKLEVEL | 5 | Picture quality setting (TV) | Not used. |
| | N358 AV PKLEVEL | 5 | Picture quality setting (Composite, S Video, for component 480I) | Not used. |
| | N358 TV PKCORRED7A | 159 | Brightness peaking coring setting (TV) | Not used. |
| | N358 AV PKCORRED7A | 159 | Brightness peaking coring setting (Composite, S Video, for component 480I) | Not used. |
| | N358 TV PKCFSOFT7C | 6 | Brightness peaking center frequency (TV) | Not used. |
| | N358 AV PKCFSOFT7C | 6 | Brightness peaking center frequency (Composite, S Video, for component 480I) | Not used. |
| DPS03 | N358 TV CTI7D | 43 | CTI setting (TV) | Not used. |
| | N358 AV CTI7D | 43 | CTI setting (Composite, S Video, for component 480I) | Not used. |
| | N358 TV CTIBWLP7C | 0 | CTI band setting (TV) | Not used. |
| | N358 AV CTIBWLP7C | 0 | CTI band setting (Composite, S Video, for component 480I) | Not used. |
| DPS06 | PAL-M TV COLOR | 30 | Color depth setting (TV) | Not used. |
| | PAL-M AV COLOR | 30 | Color depth setting (Composite, S Video, for component 480I) | Not used. |
| | PAL-M TV TINT | 0 | Color tone setting (TV) | Not used. |
| | PAL-M AV TINT | 0 | Color tone setting (Composite, S Video, for component 480I) | Not used. |
| | PAL-M BRIGHTNESS | +12 | Black level setting | Not used. |
| | PAL-M TV CONTRAST | 50 | Picture setting (TV) | Not used. |
| | PAL-M AV CONTRAST | 50 | Picture setting (Composite, S Video, for component 480I) | Not used. |
| DPS07 | PAL-M TV PKLEVEL | 5 | Picture quality setting (TV) | Not used. |
| | PAL-M AV PKLEVEL | 5 | Picture quality setting (Composite, S Video, for component 480I) | Not used. |
| | PAL-M TV PKCORRED7A | 159 | Brightness peaking coring setting (TV) | Not used. |
| | PAL-M AV PKCORRED7A | 159 | Brightness peaking coring setting (Composite, S Video, for component 480I) | Not used. |
| | PAL-M TV PKCFSOFT7C | 6 | Brightness peaking center frequency (TV) | Not used. |
| | PAL-M AV PKCFSOFT7C | 6 | Brightness peaking center frequency (Composite, S Video, for component 480I) | Not used. |
| DPS08 | PAL-M TV CTI7D | 153 | CTI setting (TV) | Not used. |
| | PAL-M AV CTI7D | 153 | CTI setting (Composite, S Video, for component 480I) | Not used. |
| | PAL-M TV CTIBWLP7C | 0 | CTI band setting (TV) | Not used. |
| | PAL-M AV CTIBWLP7C | 0 | CTI band setting (Composite, S Video, for component 480I) | Not used. |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|---------------------|---------------|---|---|
| DPS11 | PAL-N TV COLOR | 30 | Color depth setting (TV) | Not used. |
| | PAL-N AV COLOR | 30 | Color depth setting (Composite, S Video, for component 480I) | Not used. |
| | PAL-N TV TINT | 0 | Color tone setting (TV) | Not used. |
| | PAL-N AV TINT | 0 | Color tone setting (Composite, S Video, for component 480I) | Not used. |
| | PAL-N BRIGHTNESS | +12 | Black level setting | Not used. |
| | PAL-N TV CONTRAST | 50 | Picture setting (TV) | Not used. |
| | PAL-N AV CONTRAST | 50 | Picture setting (Composite, S Video, for component 480I) | Not used. |
| DPS12 | PAL-N TV PKLEVEL | 5 | Picture quality setting (TV) | Not used. |
| | PAL-N AV PKLEVEL | 5 | Picture quality setting (Composite, S Video, for component 480I) | Not used. |
| | PAL-N TV PKCORRED7A | 159 | Brightness peaking coring setting (TV) | Not used. |
| | PAL-N AV PKCORRED7A | 159 | Brightness peaking coring setting (Composite, S Video, for component 480I) | Not used. |
| | PAL-N TV PKCFSOFT7C | 6 | Brightness peaking center frequency (TV) | Not used. |
| | PAL-N AV PKCFSOFT7C | 6 | Brightness peaking center frequency (Composite, S Video, for component 480I) | Not used. |
| DPS13 | PAL-N TV CTI7D | 153 | CTI setting (TV) | Not used. |
| | PAL-N AV CTI7D | 153 | CTI setting (Composite, S Video, for component 480I) | Not used. |
| | PAL-N TV CTIBWLP7C | 0 | CTI band setting (TV) | Not used. |
| | PAL-N AV CTIBWLP7C | 0 | CTI band setting (Composite, S Video, for component 480I) | Not used. |
| DPS16 | PAL AV COLOR | 30 | Color depth setting (Composite, S Video, for component 480I) | Not used. |
| | PAL AV TINT | 0 | Color tone setting (Composite, S Video, for component 480I) | Not used. |
| | PAL BRIGHTNESS | +12 | Black level setting | Not used. |
| | PAL AV CONTRAST | 50 | Picture setting (Composite, S Video, for component 480I) | Not used. |
| DPS17 | PAL AV PKLEVEL | 5 | Picture quality setting (Composite, S Video, for component 480I) | Not used. |
| | PAL AV PKCORRED7A | 159 | Brightness peaking coring setting (Composite, S Video, for component 480I) | Not used. |
| | PAL AV PKCFSOFT7C | 6 | Brightness peaking center frequency (Composite, S Video, for component 480I) | Not used. |
| DPS18 | PAL AV CTI7D | 153 | CTI setting (Composite, S Video, for component 480I) | Not used. |
| | PAL AV CTIBWLP7C | 0 | CTI band setting (Composite, S Video, for component 480I) | Not used. |
| DPS21 | SECAM AV COLOR | 30 | Color depth setting (Composite, S Video) Color tone setting (Composite, S Video) | Not used. Not used. |
| | SECAM AV TINT | 0 | Black level setting | Not used. |
| | SECAM BRIGHTNESS | +12 | Picture setting (Composite, S Video) | Not used. |
| | SECAM AV CONTRAST | 50 | Picture quality setting (Composite, S Video) | Not used. |
| DPS22 | SECAM AV PKLEVEL | 5 | Brightness peaking coring setting (Composite, S Video) | Not used. |
| | SECAM AV PKCORRED7A | 159 | Brightness peaking center frequency (Composite, S Video) | Not used. |
| | SECAM AV PKCFSOFT7C | 6 | CTI setting (Composite, S Video) | Not used. |
| DPS23 | SECAM AV CTI7D | 153 | CTI band setting (Composite, S Video) | Not used. |
| | SECAM AV CTIBWLP7C | 0 | Color depth setting (Composite, S Video, for component 480I) | Not used. |
| DPS26 | PAL60 AV COLOR | 30 | Color depth setting (Composite, S Video, for component 480I) | Not used. |
| | PAL60 AV TINT | 0 | Color tone setting (Composite, S Video, for component 480I) | Not used. |
| | PAL60 BRIGHTNESS | +12 | Black level setting | Not used. |
| | PAL60 AV CONTRAST | 50 | Picture setting (Composite, S Video, for component 480I) | Not used. |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|---------------------|---------------|--|---|
| DPS27 | PAL60 AV PKLEVEL | 5 | Picture quality setting (Composite, S Video, for component 480I) | Not used. |
| | PAL60 AV PKCORRED7A | 159 | Brightness peaking coring setting (Composite, S Video, for component 480I) | Not used. |
| | PAL60 AV PKCFSOFT7C | 6 | Brightness peaking center frequency (Composite, S Video, for component 480I) | Not used. |
| DPS28 | PAL60 AV CTI7D | 153 | CTI setting (Composite, S Video, for component 480I) | Not used. |
| | PAL60 AV CTIBWLP7C | 0 | CTI band setting (Composite, S Video, for component 480I) | Not used. |
| DPS30 | PAL60 HPRESC FIL42 | 0 | Horizontal pre-scaler setting | Not used. |
| DPS31 | N443 AV COLOR | 30 | Color depth setting (Composite, S Video) | Not used. |
| | N443 AV TINT | 3 | Color tone setting (Composite, S Video) | Not used. |
| | N443 BRIGHTNESS | +12 | Black level setting | Not used. |
| | N443 AV CONTRAST | 50 | Picture setting (Composite, S Video) | Not used. |
| DPS32 | N443 AV PKLEVEL | 5 | Picture quality setting (Composite, S Video) | Not used. |
| | N443 AV PKCORRED7A | 159 | Brightness peaking coring setting (Composite, S Video) | Not used. |
| | N443 AV PKCFSOFT7C | 6 | Brightness peaking center frequency (Composite, S Video) | Not used. |
| DPS33 | N443 AV CTI7D | 153 | CTI setting (Composite, S Video) | Not used. |
| | N443 AV CTIBWLP7C | 0 | CTI band setting (Composite, S Video) | Not used. |
| DPS36 | D2 AV COLOR | 35 | Color depth setting (For component 480P) | Not used. |
| | D2 AV TINT | -2 | Color tone setting (For component 480P) | Not used. |
| | D2 BRIGHTNESS | -17 | Black level setting (For component 480P) | Not used. |
| | D2 AV CONTRAST | 55 | Picture setting (For component 480P) | Not used. |
| DPS37 | D2 AV PKLEVEL | 5 | Picture quality setting (For component 480P) | Not used. |
| | D2 AV PKCORRED7A | 159 | Brightness peaking coring setting (For component 480P) | Not used. |
| | D2 AV PKCFSOFT7C | 6 | Brightness peaking center frequency (For component 480P) | Not used. |
| | D2 VSTART1 | 20 | Screen vertical position setting (For component 480P) | Not used. |
| | D2 VSTOP1 | 21 | Screen vertical position setting (For component 480P) | Not used. |
| | D2 HSDLE | 0 | Horizontal sync input-to-output delay time setting (For component 480P) | Not used. |
| DPS38 | D2 AV LTI | 135 | LTI setting (For component 480P) | Not used. |
| | D2 AV LMODE79 | 191 | Brightness signal mixer setting (For component 480P) | Not used. |
| | D2 AV LMIX78 | 79 | Variable mixing mode setting (For component 480P) | Not used. |
| | D2 AV CTI7D | 0 | CTI setting (For component 480P) | Not used. |
| | D2 AV CTIBWLP7C | 0 | CTI band setting (For component 480P) | Not used. |
| DPS39 | D2 AV BLEMODE | 3 | Black extension setting (For component 480P) | Not used. |
| | D2 AV BGAINREF71 | 199 | Black extension gain setting (For component 480P) | Not used. |
| | D2 AV POINT72 | 21 | Black extension point setting (For component 480P) | Not used. |
| | D2 AV MINFIL73 | 71 | Black extension filter setting (For component 480P) | Not used. |
| | D2 AV CROP | 7 | Minimum measuring frame setting (For component 480P) | Not used. |

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|----------|-----------------|---------------|--|---|
| DPS40 | D2 HPRESC FIL42 | 48 | Horizontal pre-scaler setting (For component 480P) | Not used. |
| | D2 HSCPRESC | 176 | Horizontal pre-scaler sub-sampling setting (For component 480P) | Not used. |
| | D2 HPOSC UPSF60 | 0 | Horizontal UP sampling filter characteristics (For component 480P) | Not used. |
| | D2 HSCPOSC | 4095 | Horizontal post-scaler setting (For component 480P) | Not used. |
| | D2 VSCPOSC 4E | 61 | Vertical post-scaler setting (For component 480P) | Not used. |
| | D2 VSCPOSC 4F | 10 | Vertical post-scaler setting (For component 480P) | Not used. |
| | D2 VSCPOSC 50 | 0 | Vertical post-scaler setting (For component 480P) | Not used. |
| | D2 VOFPOSC | 0 | Vertical edge flicker reduction setting (For component 480P) | Not used. |
| | D2 VPOSC UPSF60 | 0 | Vertical UP sampling filter characteristics (For component 480P) | Not used. |
| | D2 PPLOP | 820 | No. of pixels for one line setting (For component 480P) | Not used. |
| DPS41 | D2 RGB BRT | 16 | RGB (YCbCr) black level setting (For component 480P) | Not used. |
| | D2 RGB CON | 35 | RGB (YCbCr) picture setting (For component 480P) | Not used. |
| | D2 RGB USAT | 32 | RGB (YCbCr) color contrast U setting (For component 480P) | Not used. |
| | D2 RGB VSAT | 32 | RGB (YCbCr) color contrast V setting (For component 480P) | Not used. |
| | D2 FBLOFFST | 0 | RGB (YCbCr) first blank offset correction setting (For component 480P) | Not used. |
| | D2 FBLDEL | 2 | RGB (YCbCr) first blank delay setting (For component 480P) | Not used. |
| | D2 MIXGAIN | 21 | RGB (YCbCr) first blank gain setting (For component 480P) | Not used. |
| | D2 NALPFOP | 18 | No. of invalid lines for output 1 field (For component 480P) | Not used. |
| | D2 ALPFOP | 488 | No. of valid lines for output 1 field (For component 480P) | Not used. |
| | D2 OSD VB | 17 | OSD VSYNC output pulse start position setting (For component 480P) | Not used. |
| | D2 OSD VE | 18 | OSD VSYNC output pulse stop position setting (For component 480P) | Not used. |
| DPS42 | NTSC NAPPL | 23 | No. of invalid pixels from horizontal sync signal to input data (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC NALPF | 8 | No. of invalid lines for input 1 field (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC NALPFOP | 16 | No. of invalid lines for output 1 field (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC ALPFOP | 510 | No. of valid lines for output 1 field (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC OSD VB | 16 | OSD VSYNC output pulse start position setting (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC OSD VE | 17 | OSD VSYNC output pulse stop position setting (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC APPL | 360 | No. of valid pixels for input 1 field (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC NAPPH | 0 | CbYCrY phase shift setting (TV, composite, S Video, for component 480I) | Not used. |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|-----------------|---------------|--|---|
| DPS42 | NTSC HSPPL | 2 | Horizontal shift pixel setting (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC VSLPF | 0 | Vertical shift line setting (TV, composite, S Video, for component 480I) | Not used. |
| DPS43 | PAL NAPPL | 60 | No. of invalid pixels from horizontal sync signal to input data (TV, composite, S Video, for component 480I) | Not used. |
| | PAL NALPF | 8 | No. of invalid lines for input 1 field (TV, composite, S Video, for component 480I) | Not used. |
| | PAL NALPFOP | 33 | No. of invalid lines for output 1 field (TV, composite, S Video, for component 480I) | Not used. |
| | PAL ALPFOP | 520 | No. of valid lines for output 1 field (TV, composite, S Video, for component 480I) | Not used. |
| | PAL OSD VB | 30 | OSD VSYNC output pulse start position setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL OSD VE | 31 | OSD VSYNC output pulse stop position setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL APPL | 370 | No. of valid pixels for input 1 field (TV, composite, S Video, for component 480I) | Not used. |
| | PAL NAPPH | 0 | CbYCrY phase shift setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL HSPPL | 0 | Horizontal shift pixel setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL VSLPF | 0 | Vertical shift line setting (TV, composite, S Video, for component 480I) | Not used. |
| DPS45 | DPS NLC A6 | EA | Gamma setting | Not used. |
| | DPS NLC A8 | EE | Gamma setting | Not used. |
| | DPS NLC AA | 07 | Gamma setting | Not used. |
| | DPS NLC AC | 33 | Gamma setting | Not used. |
| | DPS NLC AE | 49 | Gamma setting | Not used. |
| | DPS NLC B0 | 62 | Gamma setting | Not used. |
| | DPS NLC B2 | 56 | Gamma setting | Not used. |
| | DPS NLC B4 | 3A | Gamma setting | Not used. |
| | DPS NLC B6 | EA | Gamma setting | Not used. |
| | DPS NLC B8 | EE | Gamma setting | Not used. |
| | DPS NLC BA | 07 | Gamma setting | Not used. |
| | DPS NLC BC | 33 | Gamma setting | Not used. |
| | DPS NLC BE | 49 | Gamma setting | Not used. |
| | DPS NLC C0 | 62 | Gamma setting | Not used. |
| | DPS NLC C2 | 56 | Gamma setting | Not used. |
| | DPS NLC C4 | 3A | Gamma setting | Not used. |
| | DPS NLC C6 | EA | Gamma setting | Not used. |
| | DPS NLC C8 | EE | Gamma setting | Not used. |
| | DPS NLC CA | 03 | Gamma setting | Not used. |
| | DPS NLC CC | 25 | Gamma setting | Not used. |
| | DPS NLC CE | 35 | Gamma setting | Not used. |
| | DPS NLC D0 | 62 | Gamma setting | Not used. |
| | DPS NLC D2 | 56 | Gamma setting | Not used. |
| | DPS NLC D4 | 3A | Gamma setting | Not used. |
| DPS46 | NTSC VSTART1 | 19 | Screen vertical position setting | Not used. |
| | NTSC VSTOP1 | 20 | Screen vertical position setting | Not used. |
| | NTSC HSDEL | 0 | Setting of delay time between horizontal sync input and output | Not used. |
| DPS47 | NTSC TV LTI | 135 | LTI setting (TV) | Not used. |
| | NTSC AV LTI | 135 | LTI setting (Composite, S Video, for component 480I) | Not used. |
| | NTSC TV LMODE79 | 191 | Brightness signal mixer setting (TV) | Not used. |
| | NTSC AV LMODE79 | 191 | Brightness signal mixer setting (Composite, S Video, for component 480I) | Not used. |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|--------------------|---------------|---|---|
| DPS47 | NTSC TV LMIX78 | 79 | Variable mixing mode setting (TV) | Not used. |
| | NTSC AV LMIX78 | 79 | Variable mixing mode setting (Composite, S Video, for component 480I) | Not used. |
| DPS48 | NTSC TV BLEMODE | 3 | Black extension setting (TV) | Not used. |
| | NTSC AV BLEMODE | 3 | Black extension setting (Composite, S Video, for component 480I) | Not used. |
| | NTSC TV BGAINREF71 | 199 | Black extension gain setting (TV) | Not used. |
| | NTSC AV BGAINREF71 | 199 | Black extension gain setting (Composite, S Video, for component 480I) | Not used. |
| | NTSC TV POINT72 | 21 | Black extension point setting (TV) | Not used. |
| | NTSC AV POINT72 | 21 | Black extension point setting (Composite, S Video, for component 480I) | Not used. |
| | NTSC TV MINFIL73 | 71 | Black extension filter setting (TV) | Not used. |
| | NTSC AV MINFIL73 | 71 | Black extension filter setting (Composite, S Video, for component 480I) | Not used. |
| | NTSC TV CROP | 7 | Minimum measuring frame setting (TV) | Not used. |
| | NTSC AV CROP | 7 | Minimum measuring frame setting (For composite, S Video and component 480I) | Not used. |
| DPS49 | NTSC HPRESC FIL42 | 48 | Horizontal pre-scaler setting (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC HSCPRESC | 500 | Horizontal pre-scaler sub-sampling setting (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC HPOSC UPSF60 | 0 | Horizontal UP sampling filter characteristics (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC HSCPOSC | 3812 | Horizontal post-scaler setting (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC VSCPOSC 4E | 61 | Vertical post-scaler setting (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC VSCPOSC 4F | 9 | Vertical post-scaler setting (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC VSCPOSC 50 | 0 | Vertical post-scaler setting (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC VOFPOSC | 0 | Vertical edge flicker reduction setting (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC VPOSC UPSF60 | 0 | Vertical UP sampling filter characteristics (TV, composite, S Video, for component 480I) | Not used. |
| | NTSC PPLOP | 817 | No. of pixels for one line setting (TV, composite, S Video, for component 480I) | Not used. |
| DPS50 | PAL VSTART1 | 33 | Screen vertical position setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL VSTOP1 | 34 | Screen vertical position setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL HSDEL | 0 | Setting of delay time between horizontal sync input and output (TV, composite, S Video, for component 480I) | Not used. |
| DPS51 | PAL TV LTI | 135 | LTI setting (TV) | Not used. |
| | PAL AV LTI | 135 | LTI setting (Composite, S Video, for component 480I) | Not used. |
| | PAL TV LMODE79 | 191 | Brightness signal mixer setting (TV) | Not used. |
| | PAL AV LMODE79 | 191 | Brightness signal mixer setting (Composite, S Video, for component 480I) | Not used. |
| | PAL TV LMIX78 | 79 | Variable mixing mode setting (TV) | Not used. |
| | PAL AV LMIX78 | 79 | Variable mixing mode setting (Composite, S Video, for component 480I) | Not used. |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|-------------------|---------------|--|---|
| DPS52 | PAL TV BLEMODE | 3 | Black extension setting (TV) | Not used. |
| | PAL AV BLEMODE | 3 | Black extension setting (Composite, S Video, for component 480I) | Not used. |
| | PAL TV BGAINREF71 | 199 | Black extension gain setting (TV) | Not used. |
| | PAL AV BGAINREF71 | 199 | Black extension gain setting (Composite, S Video, for component 480I) | Not used. |
| | PAL TV POINT72 | 21 | Black extension point setting (TV) | Not used. |
| | PAL AV POINT72 | 21 | Black extension point setting (Composite, S Video, for component 480I) | Not used. |
| | PAL TV MINFIL73 | 71 | Black extension filter setting (TV) | Not used. |
| | PAL AV MINFIL73 | 71 | Black extension filter setting (Composite, S Video, for component 480I) | Not used. |
| | PAL TV CROP | 7 | Minimum measuring frame setting (TV) | Not used. |
| | PAL AV CROP | 7 | Minimum measuring frame setting (For composite, S Video and component 480I) | Not used. |
| DPS53 | PAL HPRESC FIL42 | 0 | Horizontal pre-scaler setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL HSCPRESC | 163 | Horizontal pre-scaler sub-sampling setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL HPOSC UPSF60 | 0 | Horizontal UP sampling filter characteristics (TV, composite, S Video, for component 480I) | Not used. |
| | PAL HSCPOSC | 4095 | Horizontal post-scaler setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL VSCPOSC 4E | 36 | Vertical post-scaler setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL VSCPOSC 4F | 12 | Vertical post-scaler setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL VSCPOSC 50 | 0 | Vertical post-scaler setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL VOFPOSC | 0 | Vertical edge flicker reduction setting (TV, composite, S Video, for component 480I) | Not used. |
| | PAL VPOSC UPSF60 | 2 | Vertical UP sampling filter characteristics (TV, composite, S Video, for component 480I) | Not used. |
| | PAL PPLOP | 970 | No. of pixels for one line setting (TV, composite, S Video, for component 480I) | Not used. |

| Page No. | Item | Initial Value | Function | Response precautions on servicing (Do not change other items than designated.) |
|----------|------|---------------|----------|---|
|----------|------|---------------|----------|---|

DAC

| | | | | |
|-------|-----------|-----|----------------|--|
| DAC 1 | V0 H | 240 | DAC OUT2A(04h) | |
| | V0 L | 30 | DAC OUT2B(05h) | |
| | V7 H | 212 | DAC OUT3A(06h) | |
| | V7 L | 52 | DAC OUT3B(07h) | |
| | V21 H | 197 | DAC OUT4A(08h) | |
| | V21 L | 67 | DAC OUT4B(09h) | |
| | V64 H | 181 | DAC OUT5A(0Ah) | |
| | V64 L | 82 | DAC OUT5B(0Bh) | |
| DAC 2 | V112 H | 159 | DAC OUT6A(0Ch) | |
| | V112 L | 100 | DAC OUT6B(0Dh) | |
| | V176 H | 124 | DAC OUT7A(0Eh) | |
| | V176 L | 133 | DAC OUT7B(0Fh) | |
| | V235 H | 20 | DAC OUT8A(10h) | |
| | V235 L | 235 | DAC OUT8B(11h) | |
| | V255 H | 0 | DAC OUT9A(12h) | |
| | V255 L | 255 | DAC OUT9B(13h) | |
| DAC 3 | COM H | 182 | DAC COM1A(14h) | |
| | COM L | 0 | DAC COM1B(15h) | |
| | VGL COM H | 215 | DAC COM2A(16h) | |
| | VGL COM L | 0 | DAC COM2B(17h) | |
| | VGL ADJ | 0 | DAC OUT0B(01h) | |

TUNER

| | | | | |
|--------|-----------|------|--|--|
| TUNER1 | AFT UP | 1.8 | AFT voltage reference value | |
| | AFT DOWN | 1.2 | AFT voltage reference value | |
| | LSYNC | 625 | Sync judgment threshold value (TV) | |
| | HSYNC | 655 | Sync judgment threshold value (TV) | |
| | AVSYNC | 5000 | Sync judgment threshold value (External input) | |
| | AIR SERCH | 1.6 | Last sync judgment frequency at AIR CH SEARCH | |
| | SYSTEM | OFF | With or without component system switching display | |
| | EDS TEST | 10 | Time (sec.) taken up to judgment of no EDS time data | |

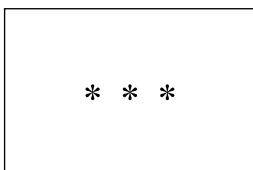
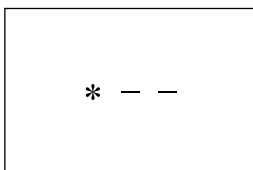
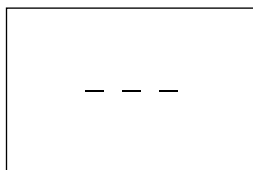
OTHERS

| | | | | |
|---------|----------------|------|---|------|
| OTHERS1 | L_ERROR WAIT | 15s | 1 sec. increments (Time taken up to identification of error port) | |
| | L_ERROR H TIME | 1.0s | 0.1 sec. increments (Time of H) | |
| | TV GAIN | OFF | Auto gain setting for TV | |
| | TV OSD | -27 | Display position setting for other than card | |
| | NTSC PWM FREQ | 9CB | DPS PWMDIV(F5[7:0], F6[3:0]) | 60Hz |
| | NTSC PWM DUTY | 0 | DPS PWM1VAL(F7[7:0]) | 60Hz |
| | PAL PWM FREQ | 9CB | DPS PWMDIV(F5[7:0], F6[3:0]) | 50Hz |
| | PAL PWM DUTY | 0 | DPS PWM1VAL(F7[7:0]) | 50Hz |
| | OPC THRESHOLD | 24 | OPC operating threshold value (Difference between input level and current position) | |
| OTHERS2 | CLOSED CAPTION | 15 | CLOSED CAPTION THRESHLEVEL | |
| | CCD ISO | 16 | CLOSED CAPTION phase setting | |
| | EZ SETUP | ON | With or without EZ SET UP display | |
| OTHERS3 | 3D Y/C | 2 | 3D ON/OFF setting | |
| | 3DY/C DATA | 0 | 3D YC data WRITE & READ | |
| | 3DY/C DATA | WAIT | WRITE & READ execution | |
| | EXCSS | 1 | External CSYNC sync input setting | |
| | CDL | 4 | C-signal output delay fine-adjustment | |
| | DYCOR | 2 | DY detection coring | |
| | DYGAIN | 10 | DY detection gain | |
| | DCCOR | 8 | DY detection coring | |
| | DCGAIN | 5 | DY detection gain | |
| | 08h | 90 | Non-standard detection sensitivity settings | |
| | YHCOR | 0 | Y output high frequency coring processing setting | |

PUBLIC MODE SETTING PROCEDURE

1. How to start Public Mode

- There are the following two ways to get the public mode setup screen displayed.
 - ① In the adjustment process mode, turn on "PUBLIC MODE". Also press the [CH UP] and [VOL+] keys on the set at once and turn on the power.
 - ② 1) Press the [MENU] and [VOL+] keys on the set at once and turn on the power.
2) Get the password input screen displayed.



Procedure

- The input starts with the leftmost digit.
- Use the numeric keys [1] thru [9] and [10/0] keys on the remote controller. The other keys are not acceptable.
- With a numeric-key input, "-" will change to "*". The input position will move one digit to the right.
- With all the 3 digits entered, the password will be verified.

- 3) The 3-digit password is now verified.

The password [0] [2] [7] provides for the public mode screen. (This screen comes on with whatever adjustment process settings.)

With any other passwords, the screen changes to the normal mode.

2. How to exit Public Mode

There are the following ways to quit the public mode setup screen.

- Turn off "PUBLIC MODE" in the adjustment process mode. (☆) ← This way alone is not for quitting the setup screen, but for quitting the mode itself.
- Turn off the power with the power key. (★)
- Select "EXECUTE". (★)
- Move the cursor to "RESET" and press the "FLASHBACK" key. (Back to the normal mode screen)(☆)

★ ... "PUBLIC MODE" stays on in the adjustment process mode.

☆ ... The settings will be back to the factory ones.

3. Public Mode Setting Values

- With the factory settings made, the public mode settings get initialized. (The adjustment process remains intact.)

4. Public Mode Menu

The guidance is not displayed onscreen.

Setup procedure

- To move the "CURSOR UP AND DOWN", use the "CURSOR UP/DOWN" key (remote controller) and "CHANNEL UP/DOWN" key (remote controller and set).
- To change the settings, use the "CURSOR RIGHT/LEFT" key (remote controller) and "VOLUME UP/DOWN" key (remote controller and set).
- To save new settings, keep the cursor at "EXECUTE" and use the "CURSOR RIGHT/LEFT" key (remote controller) and "VOLUME UP/DOWN" key (remote controller and set).

| | |
|-------------------|---------------|
| MAXIMUM VOLUME | [60] |
| VOLUME FIXED | [VARIABLE] |
| REMOTE CONTROL | [RESPOND] |
| USER CONTROL | [RESPOND] |
| MENU BUTTON | [RESPOND] |
| ON SCREEN DISPLAY | [YES] |
| START MODE | [NORMAL] |
| INPUT MODE FIXED | [VARIABLE] |
| SOUND ONLY MODE | [NO] |
| RESET | |
| ENTER | |
| | (PUBLIC MODE) |

5. On Setting Items

* "EZ-SETUP" discussed below indicates "EZ-SETUP" after the first power-on".

(1) MAXIMUM VOLUME

| | |
|-----------|---|
| Selection | Adjustable from 1 to 60 (no loop) |
| Default | 60 |
| Function | The volume control is limited to an adjusted level (for the main speakers and headphones). |
| Exception | <ul style="list-style-type: none"> • The VOLUME setting can be freely adjusted to a desired level in the adjustment process mode. |
| Remarks | <ul style="list-style-type: none"> • The volume can be preset from -60 to 0 in the line output regardless of the adjusted setting. • If the setting is below 59, the number alone is displayed. The volume bar does not appear. |

(2) VOLUME FIXED

| | |
|---|--|
| Selection | Selection between "VARIABLE" and "FIXED" (loop provided) |
| Default | VARIABLE |
| Function | "FIXED" setting: ① The volume control is fixed at a level, not adjustable (for the main speakers and headphones). |
| Exception | <ul style="list-style-type: none"> • The VOLUME setting can be freely adjusted to a desired level in the adjustment process mode. |
| Keys inoperative except for default setting | <ul style="list-style-type: none"> • Volume up/down (VOL+/-) [on remote controller and set] • Mute (MUTE) |
| Remarks | <ul style="list-style-type: none"> • The volume setting becomes 1 just after the selection of "NO (VARIABLE)". • The volume can be preset from -60 to 0 in the line output regardless of this setting. • Priority is given to the volume fixed over the maximum volume. |

(3) REMOTE CONTROL

| | |
|-----------|---|
| Selection | Selection between "RESPOND", "LIMITED" and "NO RESPOND" (loop provided) |
| Default | RESPOND |
| Function | Setting the remote control functions ① "NO RESPOND" setting: The remote control keys are inoperative in the usual way. ② "LIMITED" setting: All the remote control keys other than power, channel up/down, volume up/down and brightness are inoperative. |
| Exception | <ul style="list-style-type: none"> • The adjustment process, factory setting, inspection process and public mode keys are operative regardless of this setting. • The remote control is operative all the time on the adjustment process, inspection process and public mode setting screens as well as during EZ-SETUP regardless of this setting. |

(4) USER CONTROL

| | |
|-----------|---|
| Selection | Selection between "RESPOND" and "NO RESPOND" (loop provided) |
| Default | Default |
| Function | Disabling the set's keys other than POWER |
| Exception | <ul style="list-style-type: none"> • The user control is operative at a start of inspection process, public mode and public password regardless of this setting. (Note) • The user control is operative all the time on the adjustment process, inspection process and public mode setting screens as well as during EZ-SETUP regardless of this setting. |

Note:

Inspection process start ... Press "MENU" and "INPUT SELECT" at once and turn on the power.

Public mode start..... With the adjustment process hotel mode on, press "CH UP" and "VOL+" at once and turn on the power.

Public password start Press "MENU" and "VOL+" at once and turn on the power.

(5) MENU BUTTON

| | |
|-----------|--|
| Selection | Selection between "RESPOND" and "NO RESPOND" (loop provided) |
| Default | RESPOND |
| Function | Disabling the MENU key both on the set and the remote controller |
| Exception | <ul style="list-style-type: none"> • The MENU button is operative at a start of inspection process and public password regardless of this setting. (See Note in (4) above.) • The MENU button is operative all the time in the adjustment process and inspection process modes as well as during EZ-SETUP regardless of this setting "OFF" and selection is made prohibited. |

(6) ON SCREEN DISPLAY

| | |
|---|---|
| Selection | Selection between "YES" and "NO" (loop provided) |
| Default | YES |
| Function | "NO" setting: The on-screen display does not appear. |
| Exception | <ul style="list-style-type: none"> • The V-CHIP block message and closed caption appear regardless of this setting. • The inspection process, factory setting (including the EZ-SETUP screen), adjustment process and public mode setting screens can appear regardless of this setting. |
| Keys inoperative except for default setting | <ul style="list-style-type: none"> • Menu (MENU) [on remote controller and set] (operative when applied in the above exception, however) • Off-timer (SLEEP) • On-screen display (DISPLAY) • Closed caption |
| Remarks | <ul style="list-style-type: none"> • "NO" setting: <ol style="list-style-type: none"> ① The off-timer (SLEEP TIMER) setting is cleared to --. ② The no-signal power off (AUTO POWER OFF) setting is cleared to "OFF". ③ The sound mode (SOUND ONLY MODE) setting is changed to "NO" with selection disabled. |

(7) START MODE

| | |
|-----------|---|
| Selection | Selection between "NORMAL" and selectable input source/selectable channel (loop provided) →[NORMAL]←→[AV1]←→[COMPONENT]← →[CH1]←→[CH2]←→...←→[CH69]←→[CH70]←→...←→[CH125]← *The italic-font sources and channels are not selectable depending on the setting (Note 1). |
| Default | NORMAL |
| Function | With the power on, an input source or channel to start with is preset. In the NORMAL mode, the last memory comes first. |
| Remarks | <ul style="list-style-type: none"> • In the "NORMAL" setting, the "INPUT MODE FIXED" setting is forced to "VARIABLE", which does not allow the selection. |

(Note1:)

- With the channel set at AIR, the channels [CH1] and [CH70] thru [CH125] cannot be selected.

(8) INPUT MODE FIXED

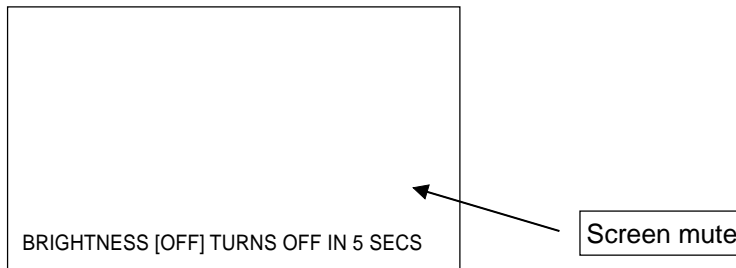
| | |
|---|--|
| Selection | Selection between "VARIABLE" and "FIXED" (loop provided) |
| Default | VARIABLE |
| Function | In the "FIXED" setting, the "START MODE" setting is forced up, which disables the switching to other channels and input sources. |
| Keys inoperative except for default setting | <ul style="list-style-type: none"> • Channel up/down (CH UP/DOWN) [on remote controller and set] • Direct channel buttons 1 thru 10/0 • Flashback (FLASHBACK) • Input select (TV/VIDEO) [on remote controller and set] • Channel button 100 |
| Remarks | <ul style="list-style-type: none"> • With the "START MODE" set at "NORMAL", this setting is disabled. (The setting will automatically be "VARIABLE".) |

(9) SOUND ONLY MODE

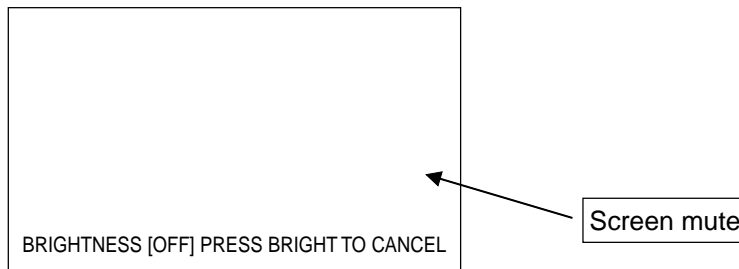
| | |
|-----------|---|
| Selection | Selection between "NO" and "YES" (loop provided) |
| Default | NO |
| Function | Enabling or disabling the sound mode function |
| Remarks | <ul style="list-style-type: none"> • In the "YES" setting, the "OFF" status is added while the BRIGHT button is being pressed. This "OFF" status provides for the sound mode function. • When the "ON SCREEN DISPLAY" setting is "NO", this setting is cancelled ("NO") and cannot be selected. |

Sound only mode function specifications

- ① Behavior of the remote control BRIGHT button.
 BRIGHTNESS [BRIGHT]→BRIGHTNESS [NORMAL]→
 BRIGHTNESS [DARK]→BRIGHTNESS [AUTO]→BRIGHTNESS [OFF]→BRIGHTNESS [BRIGHT]
 (The "OFF" setting is added while the remote control BRIGHT button is effective.
 With "YES" selected in "SOUND ONLY MODE".)
- ② When the "OFF" mode is selected, the screen becomes mute, the following message appears and the time is counted down. (Sound only mode setup process)
 The time indication "IN 5 SEC" appearing in the message gets counted down.
 IN 5 SEC → IN 4 SEC → IN 3 SEC → IN 2 SEC → IN 1 SEC
 When the 5 seconds have passed, the backlight error detect function becomes off, the backlight turns off and the message disappears. (Sound only mode process)



At a temporary reset, the count-down does not take place and the following message appears.
 (In this case too, the backlight error detect function becomes off, the backlight turns off and the message disappears in 5 seconds.)



- ③ The key functions in the sound only mode setup process and sound only mode process are referred to in "Table of Key Allocation in Sound Only Mode" and "Table of Key Functions in Sound Only Mode"
- ④ To turn off the power with the power key, off-timer or no-signal power supply in the sound only mode, first end the sound only mode, then call the BRIGHT mode, and finally turn off the power.
- ⑤ Let's suppose that the power is on and the BRIGHT mode is off. In this case, call the BRIGHT mode first and then get started.
- ⑥ If the BRIGHT mode is turned off with the sound mute, the sound only mode setup process (caution displayed) goes on with no sound. Once the sound only mode is set up, the sound mute gets cleared (just when the backlight turns off). The sound volume level at this clearing will be the same as before the sound mute action.
- ⑦ To activate the V-CHIP block, make a temporary reset and keep on the caution display until the block is unlocked. The screen background will be black, not blue.
- ⑧ The closed caption is ignored (including the temporary reset).

Table of Key Allocation in Sound Only Mode (Unit keys/Remote control keys)

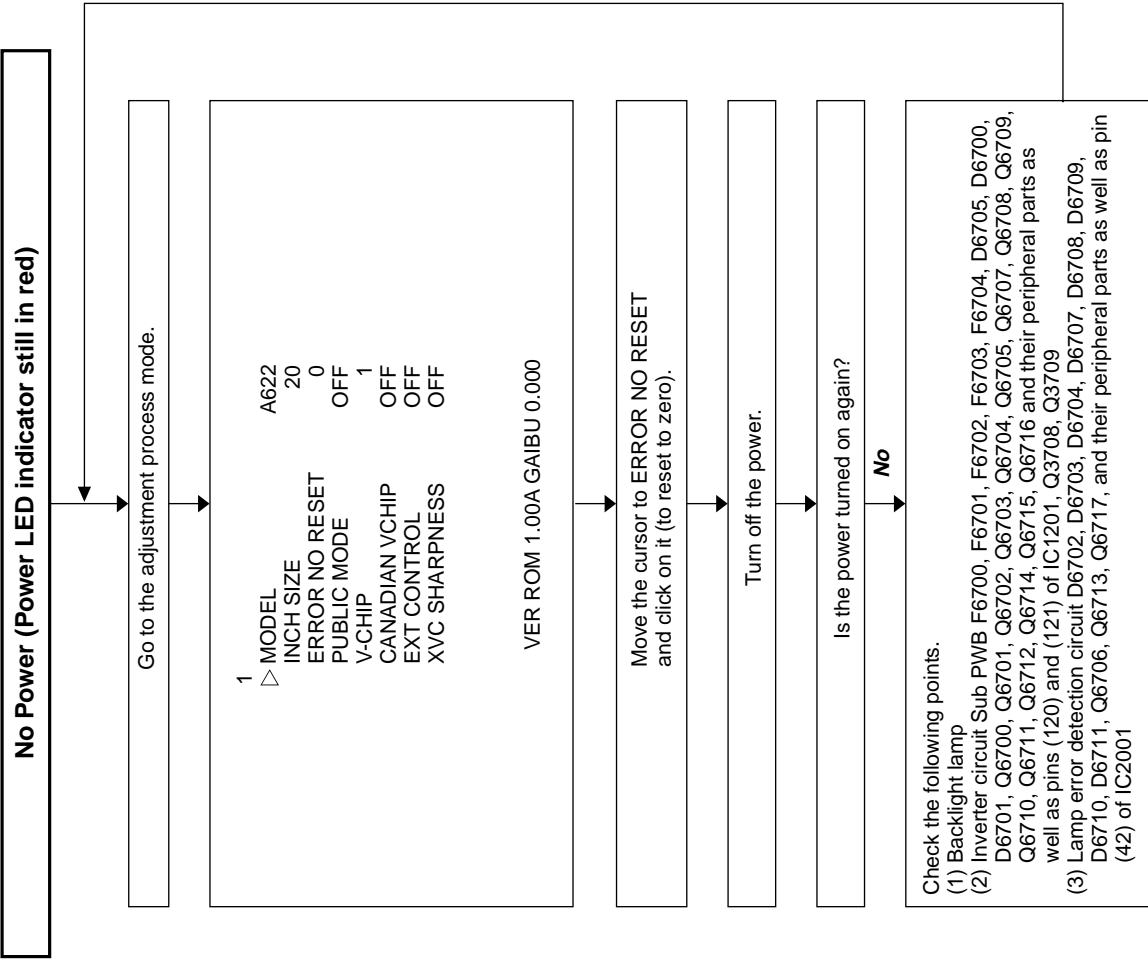
| | Key | Allocation |
|----------------|----------------|--------------------|
| Unit keys | POWER | Released |
| | TV/VIDEO | Temporary reset |
| | MENU | Released |
| | CH | Temporary reset |
| | VOL | Temporary reset |
| Remote control | POWER | Released |
| | PIC.FLIP | Released |
| | DISPLAY | Temporary recovery |
| | SLEEP | Temporary reset |
| | MENU | Released |
| | CURSOR | Released |
| | ENTER | Released |
| | BRIGHT | Special reset |
| | MUTE | Temporary reset |
| | MTS | Temporary reset |
| | TV/VIDEO | Temporary reset |
| | VOL | Temporary reset |
| | AUDIO ONLY | Released |
| | CH | Temporary reset |
| | FLASHBACK | Temporary reset |
| | CH1~10/0 | Temporary reset |
| | CH100 | Temporary reset |
| | CLOSED CAPTION | Temporary reset |

* When the VOLUME FIXED, INPUT MODE FIXED or other fixed status is set up, this status is given priority.

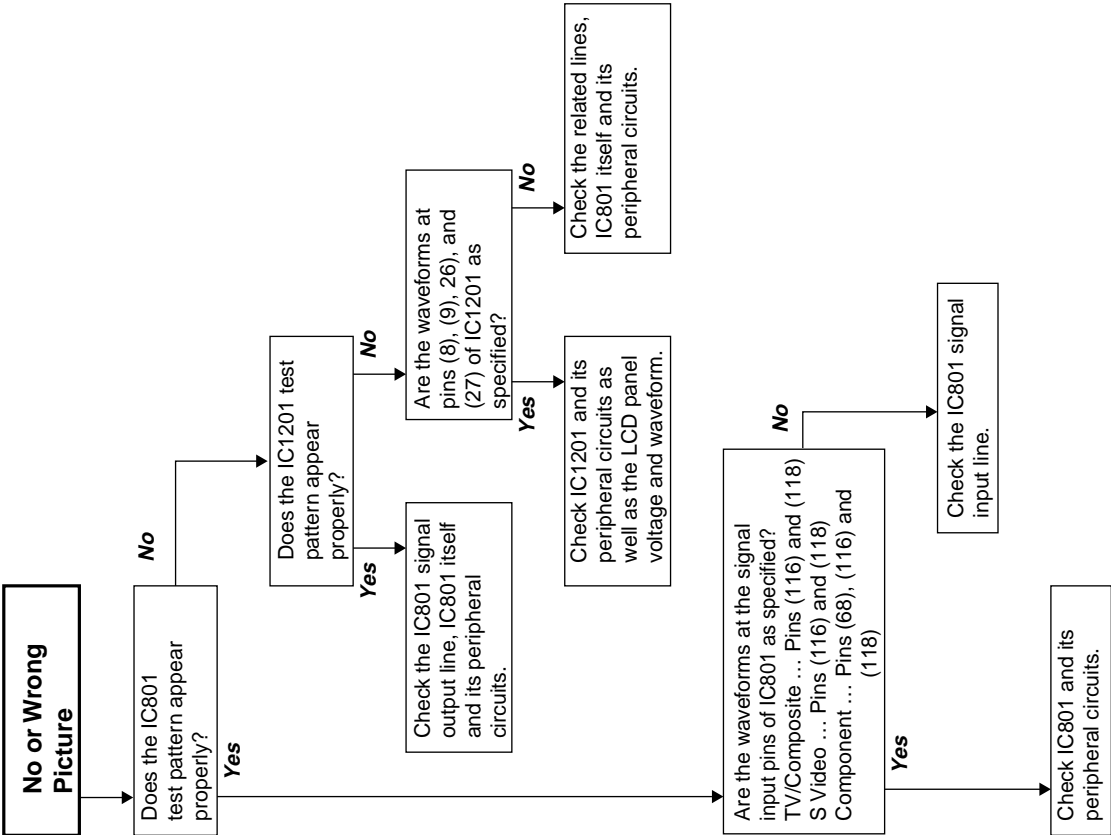
Table of Key Functions in Sound Only Mode

| Key | Functions | |
|-----------------------------|---|--|
| | Sound only mode setup process | Sound only mode process |
| Special reset key BRIGHT | <ul style="list-style-type: none"> • Mute cleared. • Message deleted. • BRIGHT mode turned on. (Sound only mode ended) | <ul style="list-style-type: none"> • Backlight on. • Backlight error detect on. Sound only mode clear guide message displayed. (Current BRIGHT mode status displayed) |
| Clear key | <ul style="list-style-type: none"> • Mute cleared. • Message deleted. • BRIGHT mode turned on. (Sound only mode ended) | <ul style="list-style-type: none"> • Backlight on. • Backlight error detect on. • Mute cleared • BRIGHT mode turned on. (Sound only mode ended) |
| Temporary reset key | <ul style="list-style-type: none"> • BRIGHT mode temporarily turned on (Externally OFF). • Message deleted. • Description of pressed key displayed for 3 seconds. • Sound only mode setup message displayed. (Current BRIGHT mode status displayed) | <ul style="list-style-type: none"> • BRIGHT mode temporarily turned on (Externally OFF). • Backlight on. • Backlight error detect on. • Description of pressed key displayed for 3 seconds. • Sound only mode setup message displayed. (Current BRIGHT mode status displayed) |

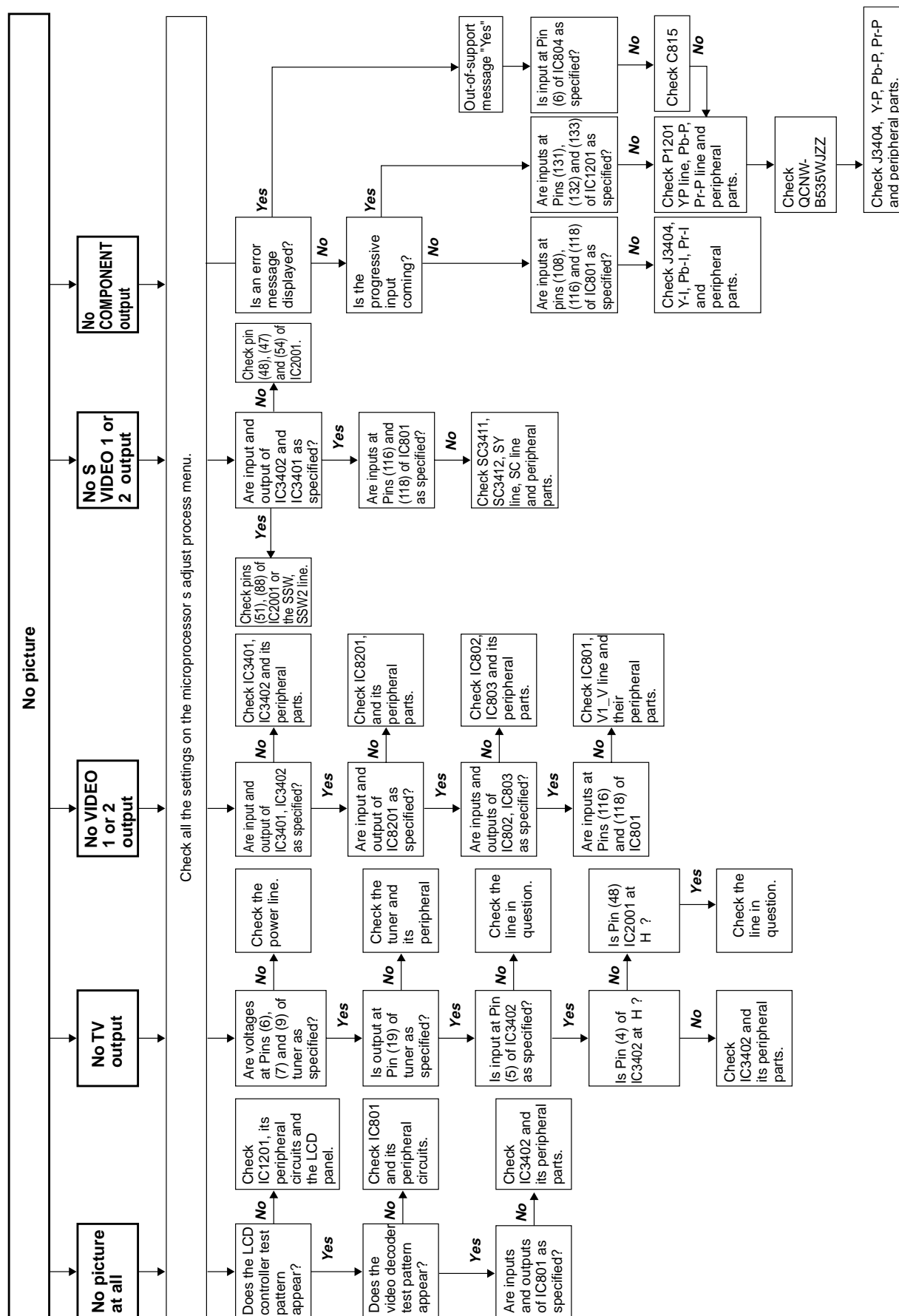
TROUBLE SHOOTING TABLE



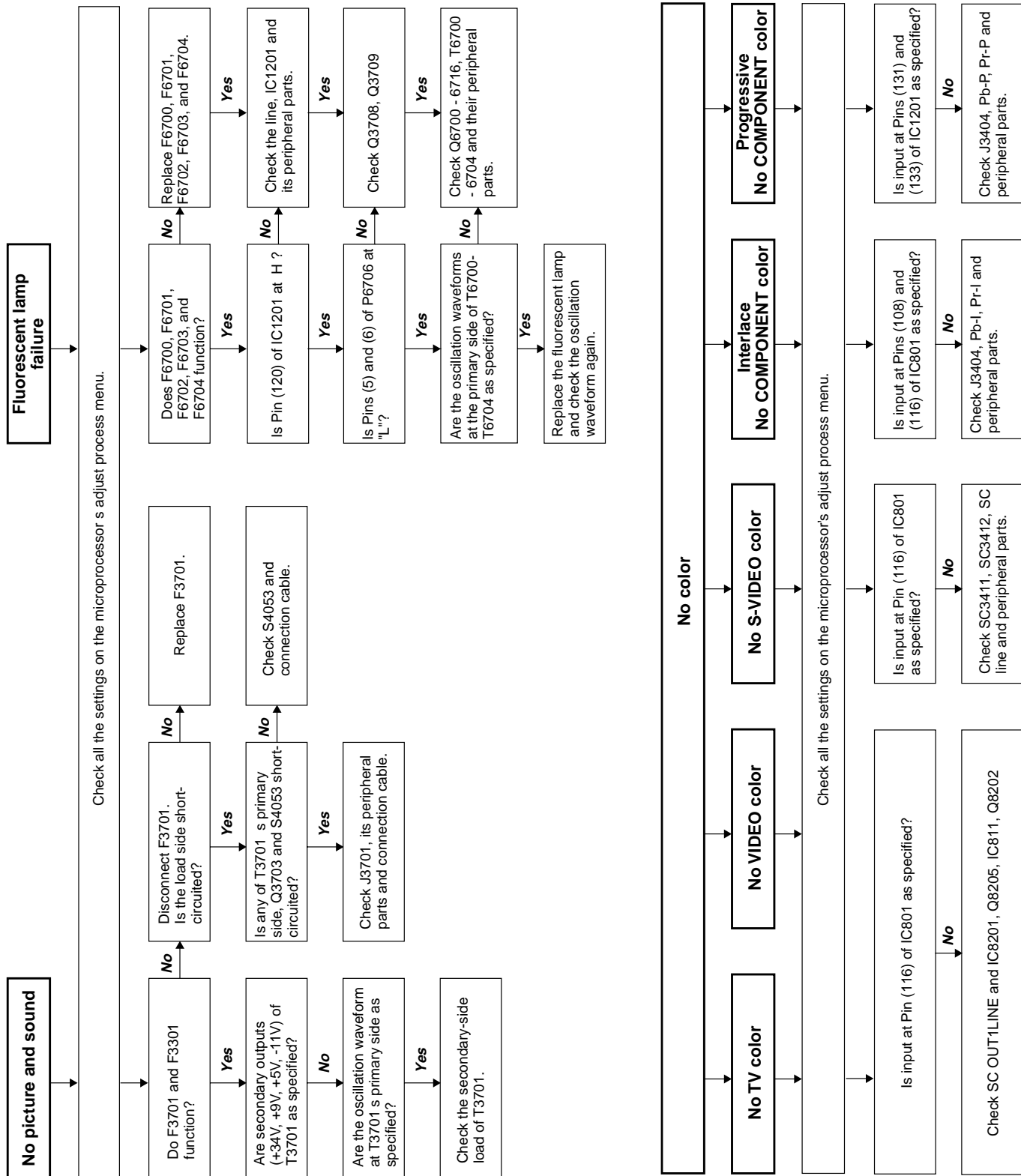
Note: This model is equipped with the lamp error detection function that detects the current flowing into the fluorescent lamp and protects the backlight lamp drive circuit. If a lamp error is detected, the microprocessor interrupts the unit and the ERROR NO RESET setting will go up. When the ERROR NO RESET setting has reached "5", the microprocessor turns and keeps off the unit's power. To resume the power, take the above procedure to clear the ERROR NO RESET setting.



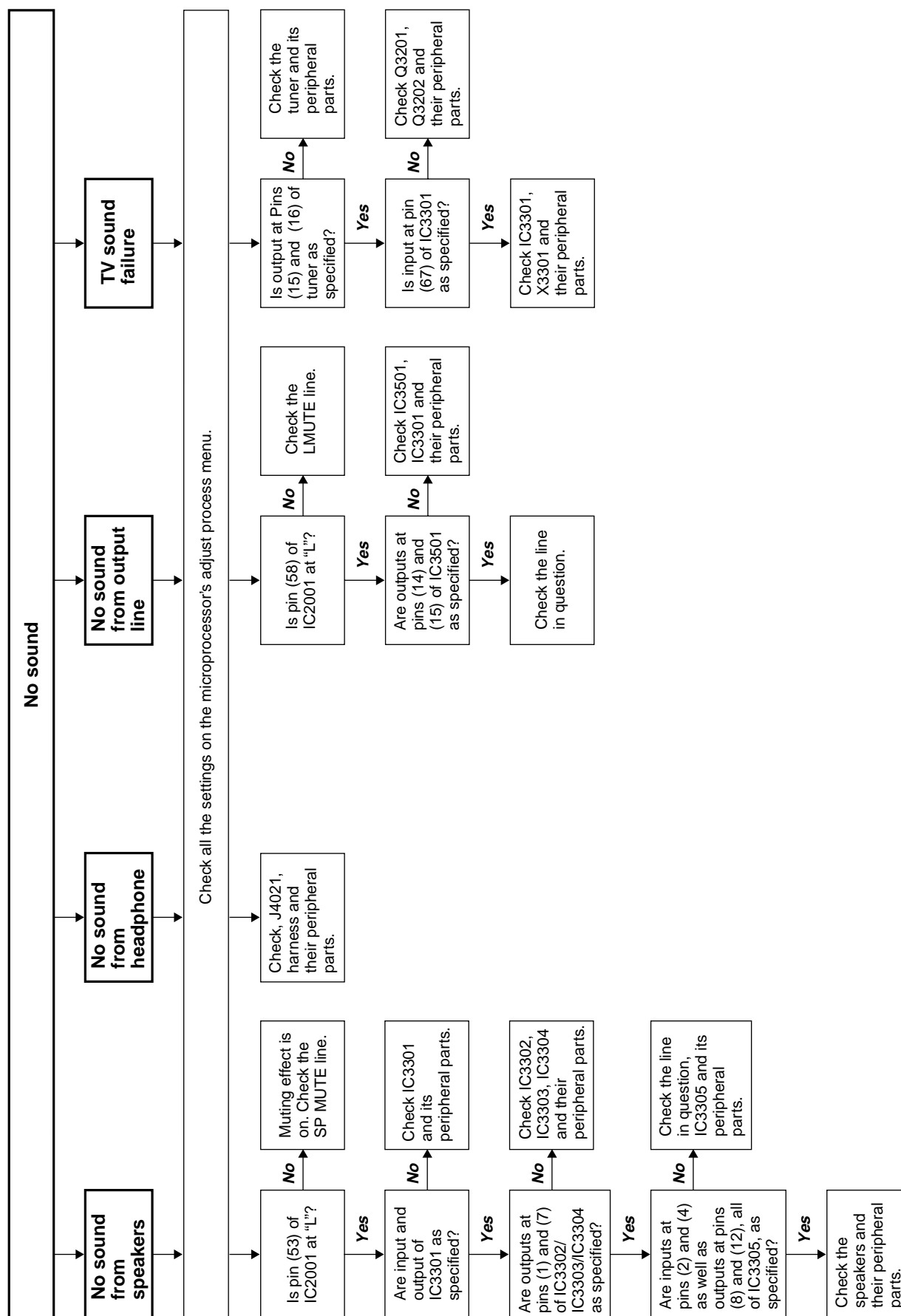
TROUBLE SHOOTING TABLE (Continued)



TROUBLE SHOOTING TABLE (Continued)



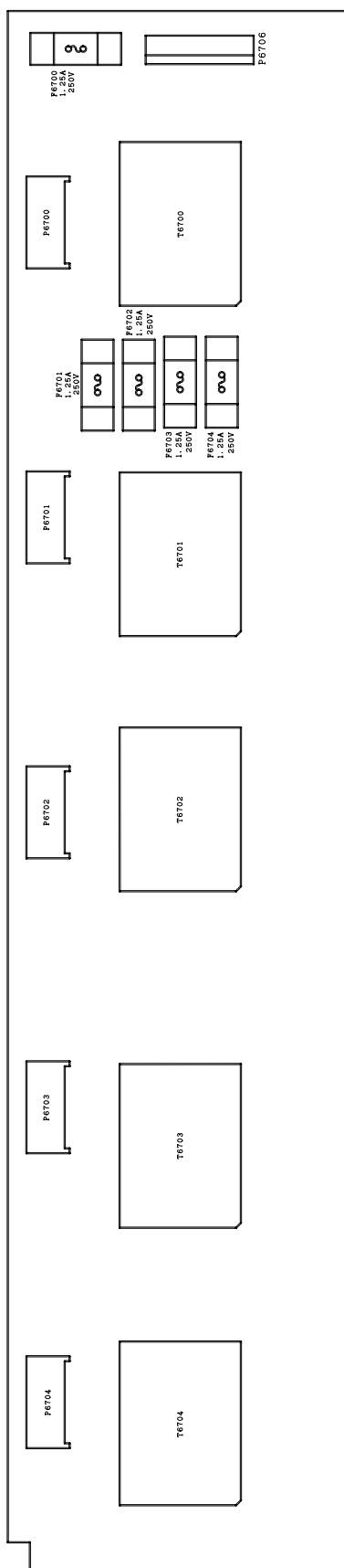
TROUBLE SHOOTING TABLE (Continued)



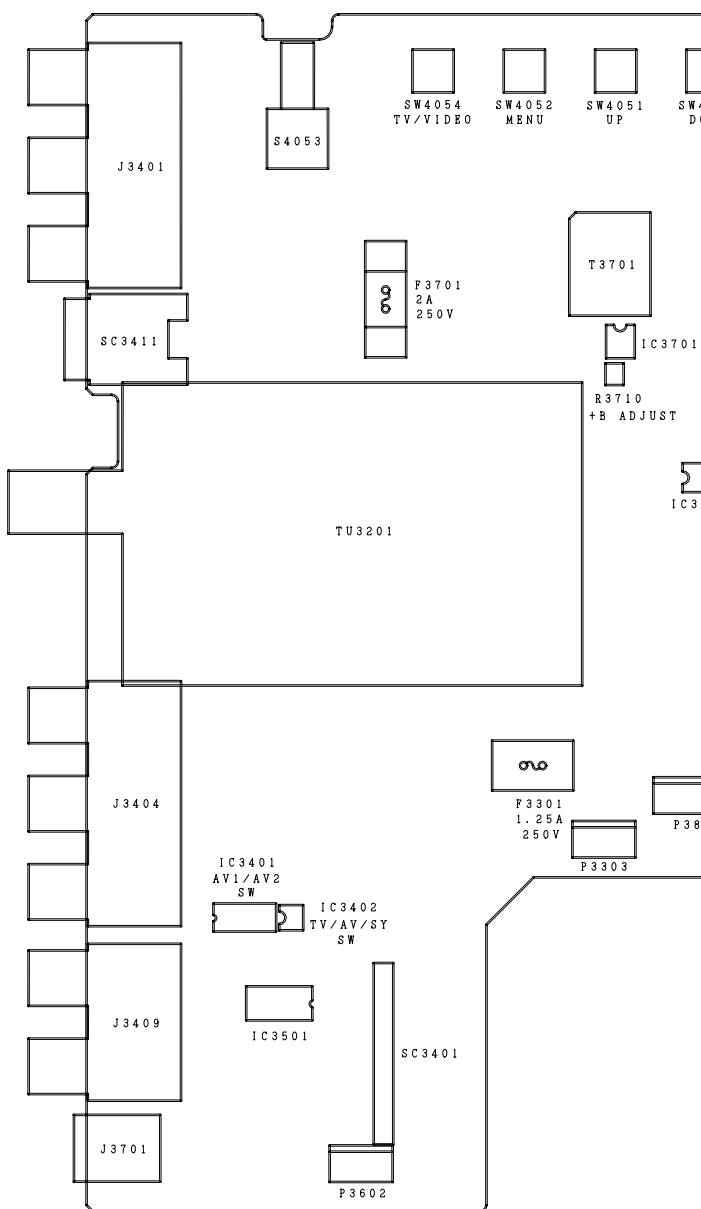
CHASSIS LAYOUT

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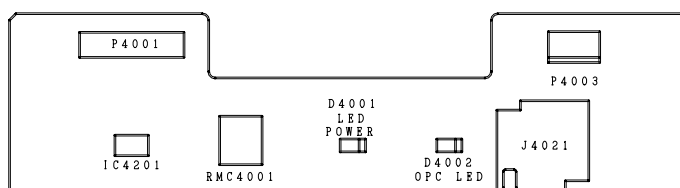
INVERTER Unit



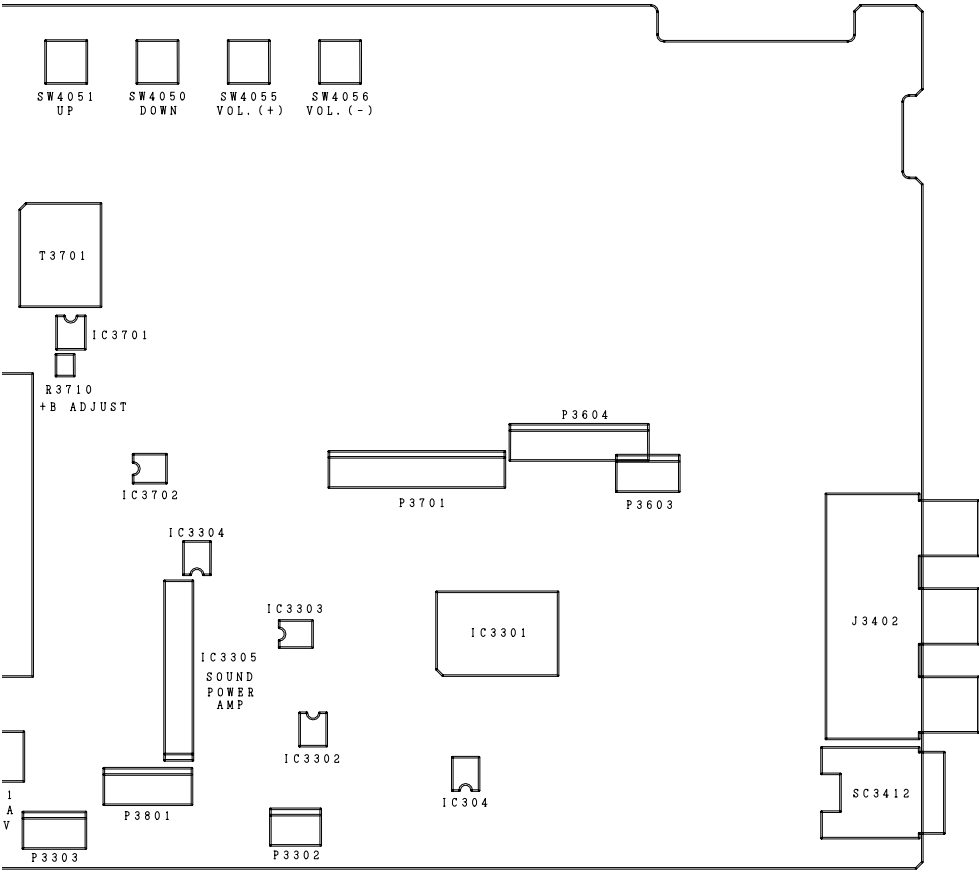
SUB Unit



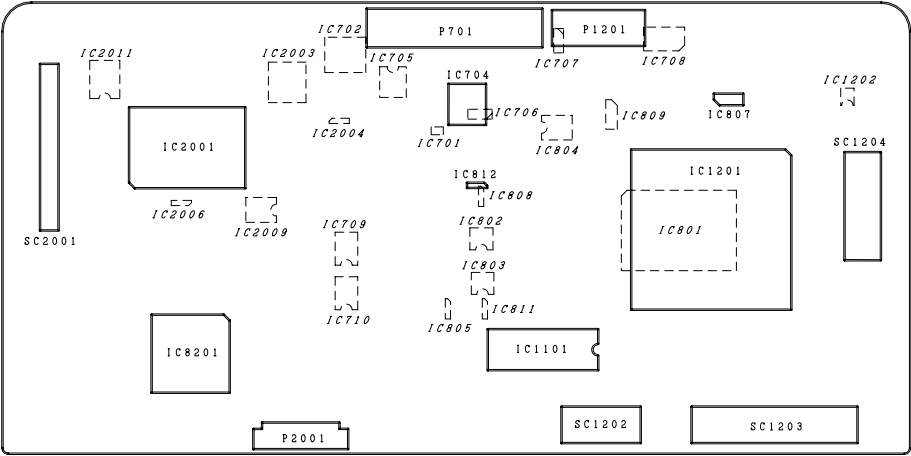
R/C, LED Unit



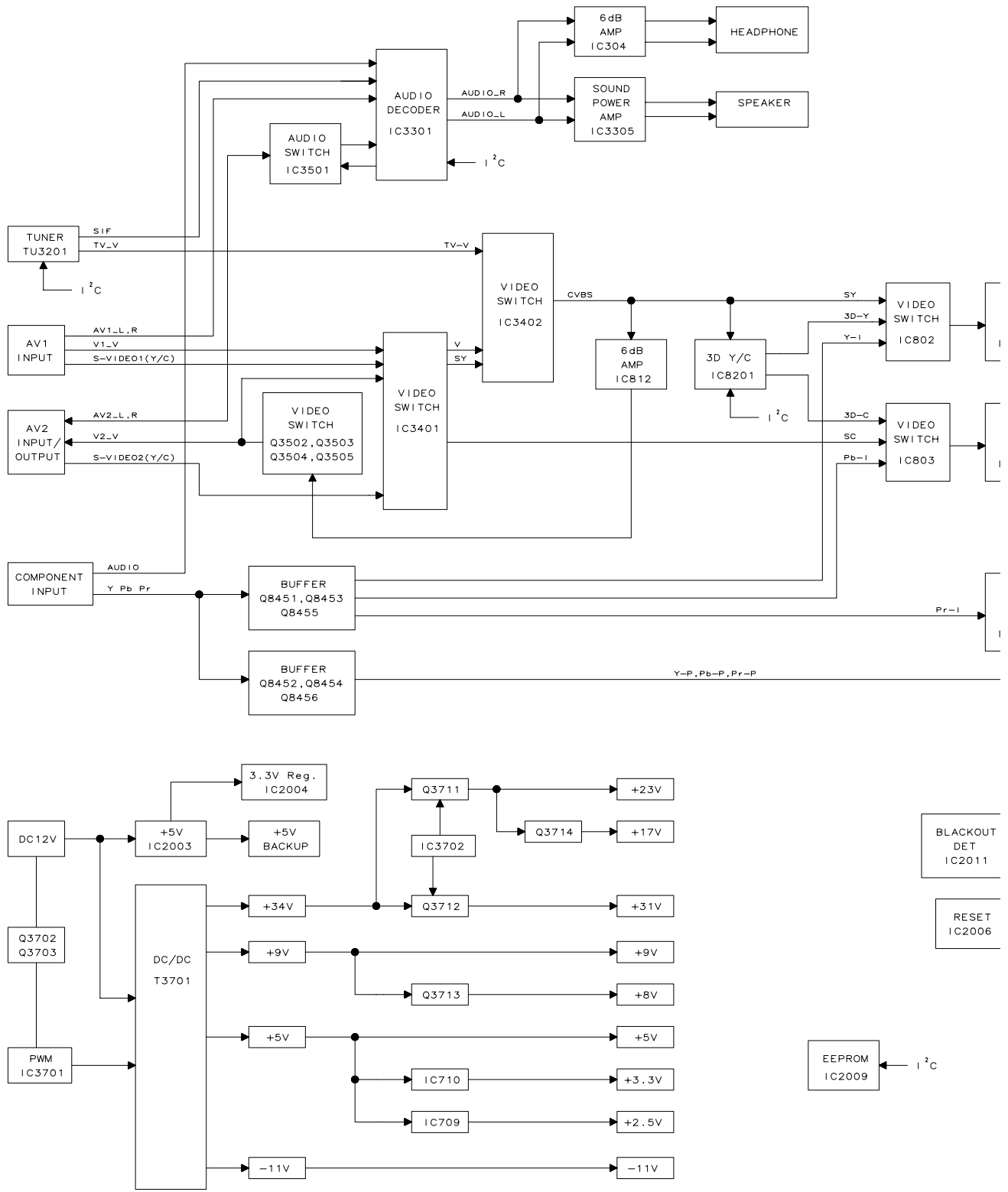
1 2 3 4 5 6 7 8 9 10

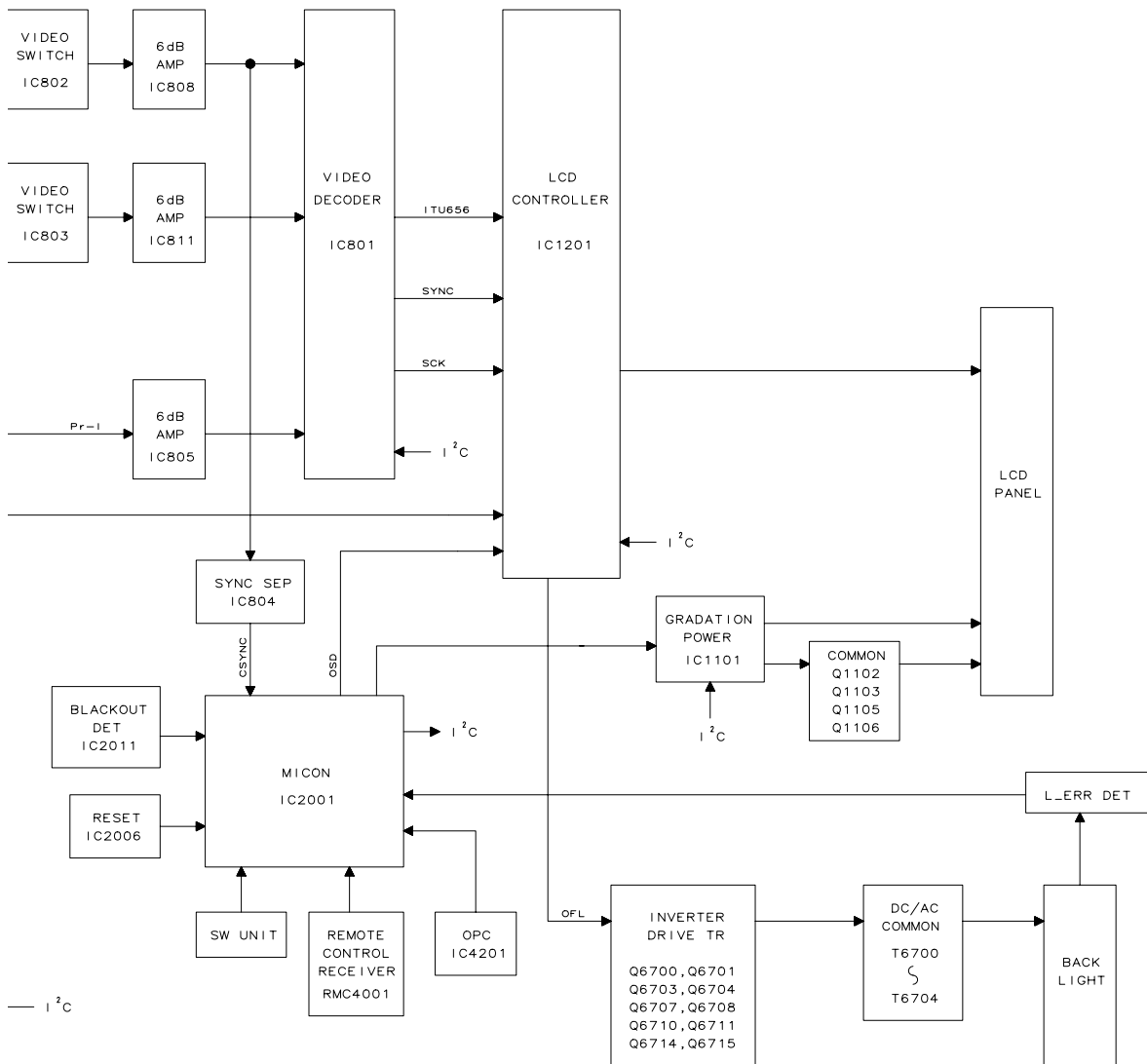


MAIN Unit

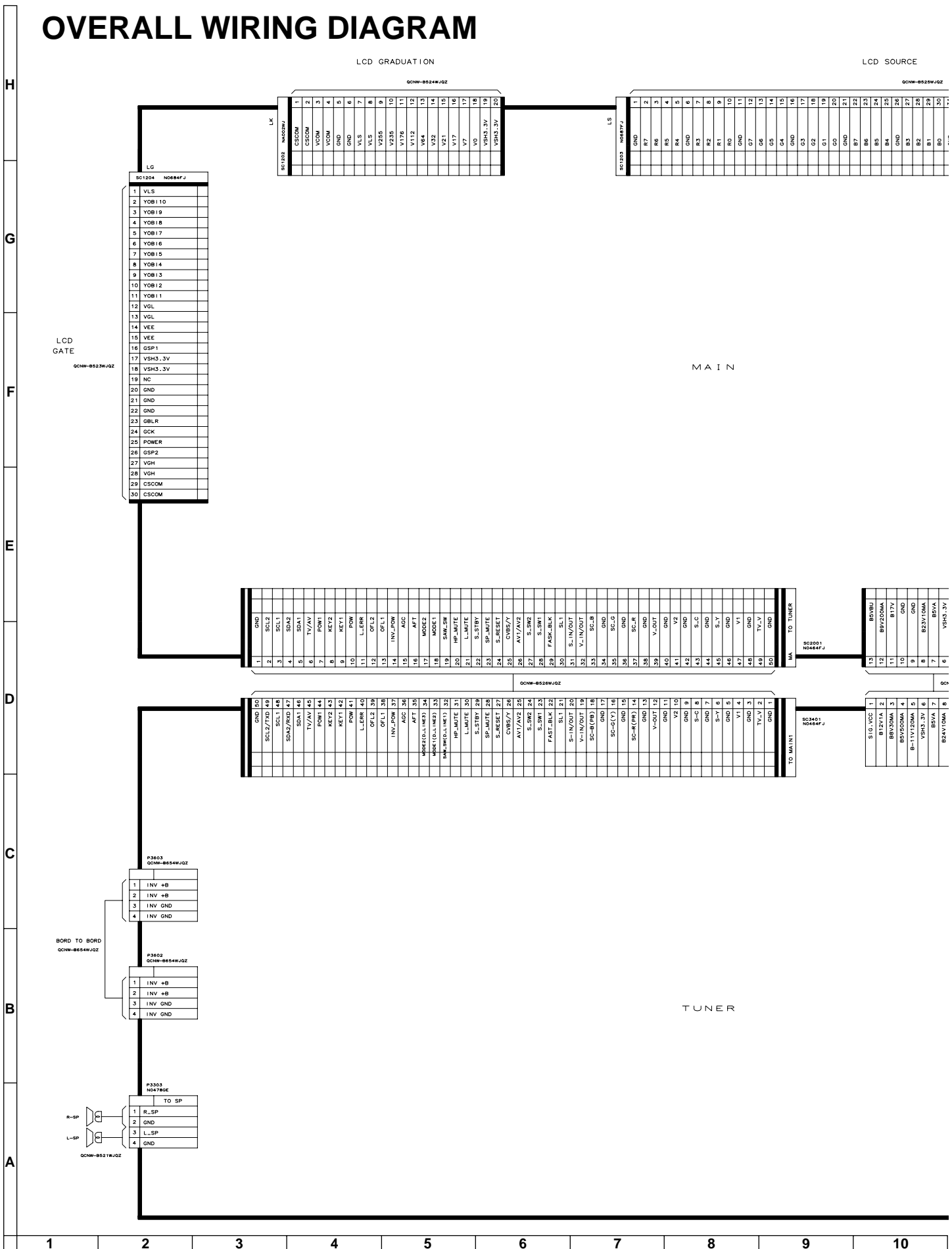


BLOCK DIAGRAM

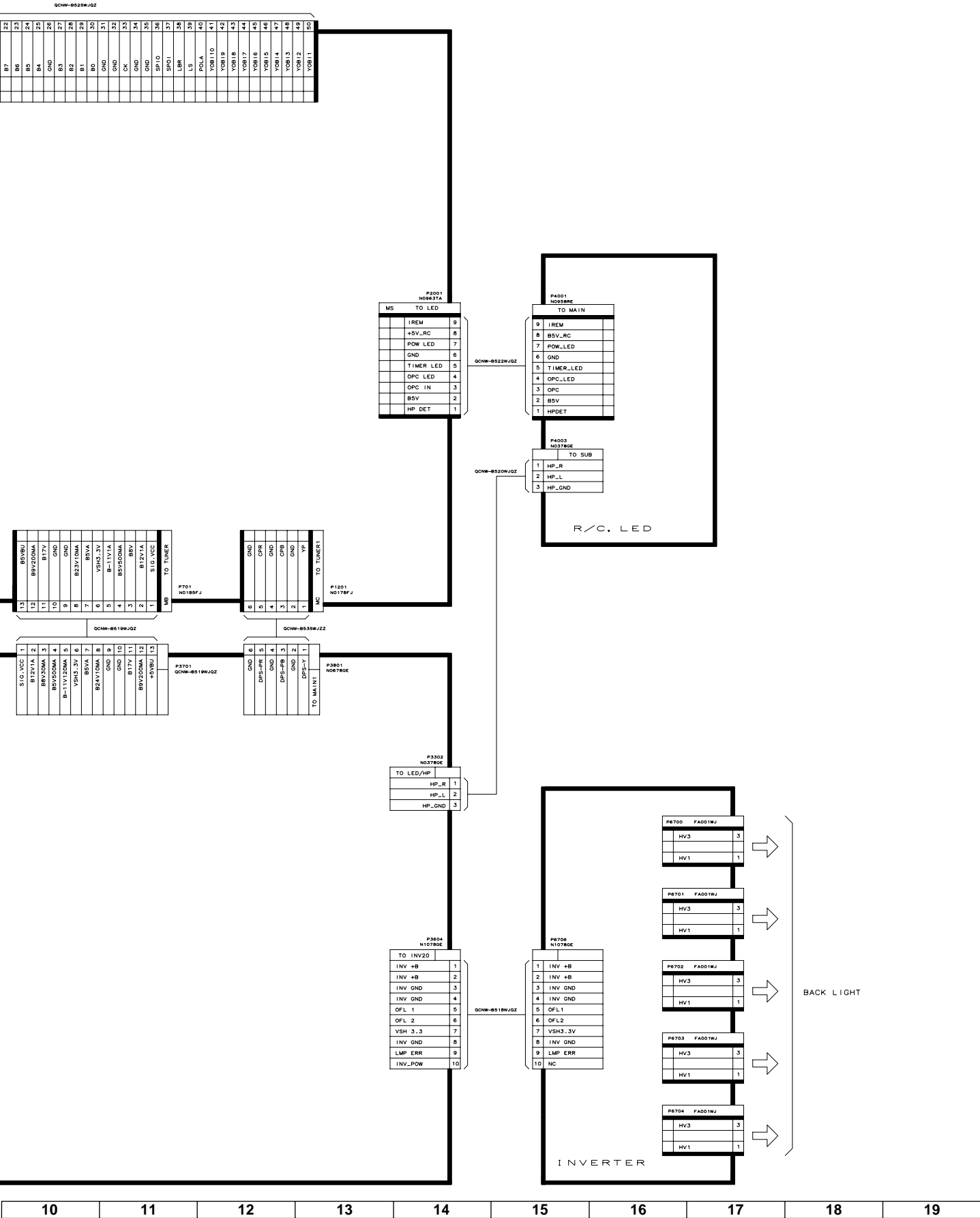




OVERALL WIRING DIAGRAM



LCD SOURCE



DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. The voltages at test points are measured on exclusive AC adaptor and the stable supply voltage of AC 120V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance “ Ω ” is omitted.
(K=k Ω =1000 Ω , M=M Ω).
2. All resistors are $\pm 5\%$, unless otherwise noted.
(J= $\pm 5\%$, F= $\pm 1\%$, D= $\pm 0.5\%$)
3. All resistors are 1/16W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.

©: Solid Ⓢ: Cement
 Ⓢ: Oxide Film Ⓣ: Special
 Ⓝ: Metal Coating


CAPACITOR

1. All capacitors are μF , unless otherwise noted.
(P=pF= $\mu\mu\text{F}$).
 2. All capacitors are 50V, unless otherwise noted.
 3. All capacitors are Ceramic type, unless otherwise noted.
- (ML): Mylar (TA): Tantalum
 (PF): Polypro Film (ST): Styrol


CAUTION:

This circuit diagram is original one, therefore there may be a slight difference from yours.

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH “ \triangle ” () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

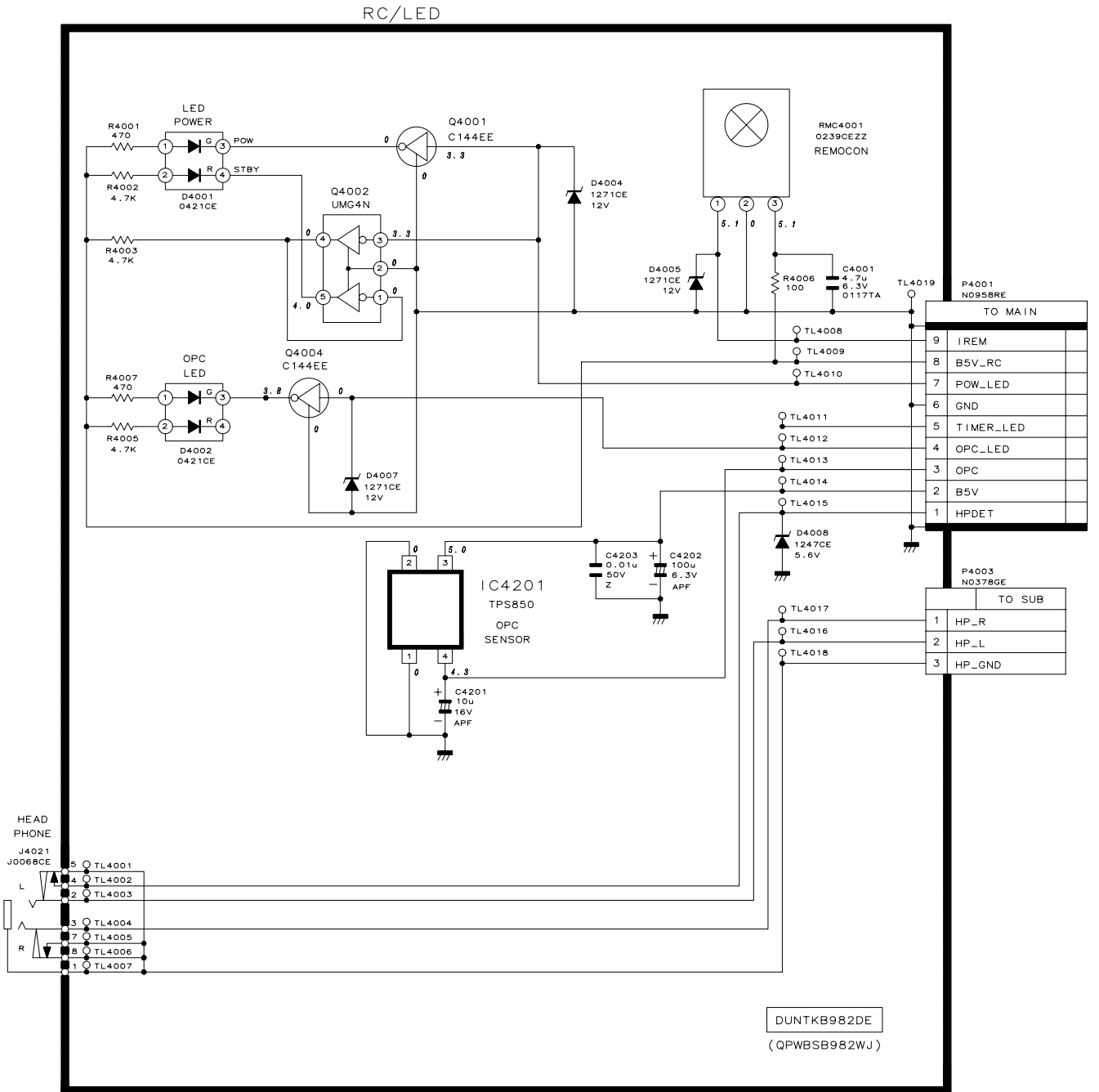
AVIS DE SECURITE IMPORTANT:

**LES PIECES MARQUEES “ \triangle ” () SONT IMPORTANTES POUR MAINTENIR LA SECURITE DE L'APPAREIL.
NE REMPLACER CES PIECES QUE PAR DES PIECES DONT LE NUMERO EST SPECIFIE POUR MAINTENIR LA SECURITE ET PROTEGER LE BON FONCTIONNEMENT DE L'APPAREIL.**

SCHEMATIC DIAGRAM

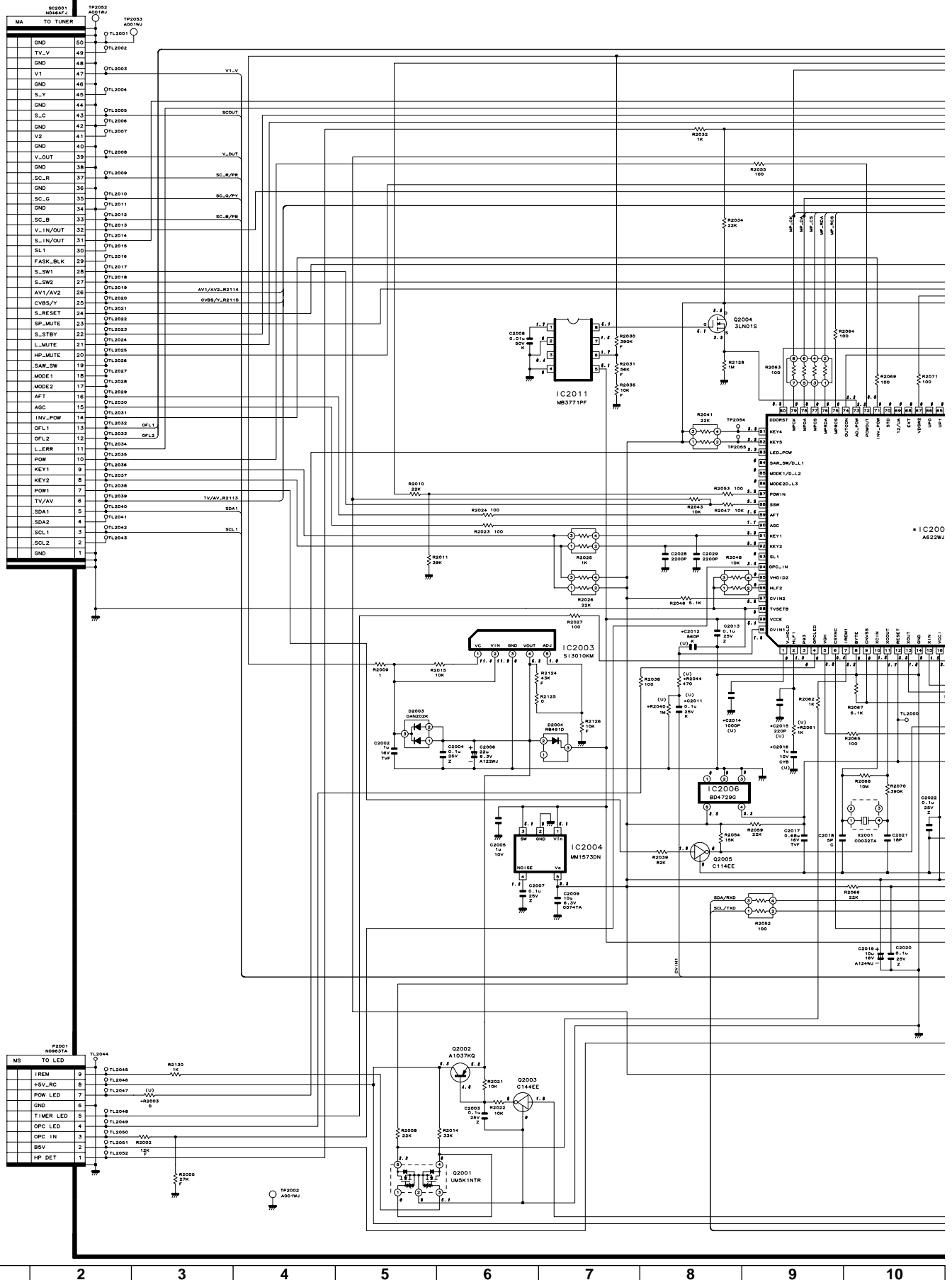
■ R/C, LED Unit

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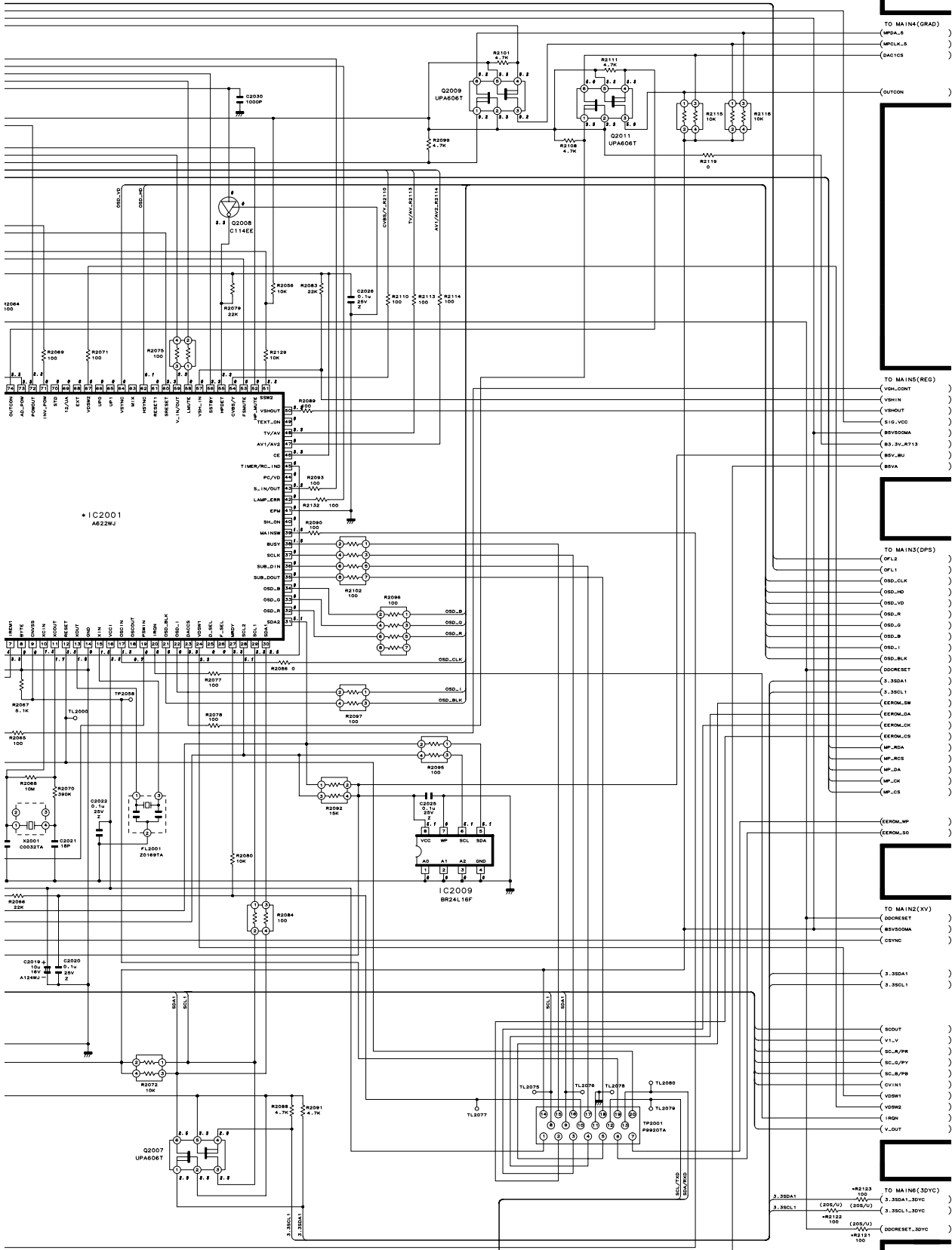


MAIN Unit-1/6

MAIN1 (MICON)



DUNTKB980DE
(QPWBXB980WJ)



| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|----|----|----|----|----|----|----|----|----|----|

MAIN Unit-2/6

MAIN2 (XV)

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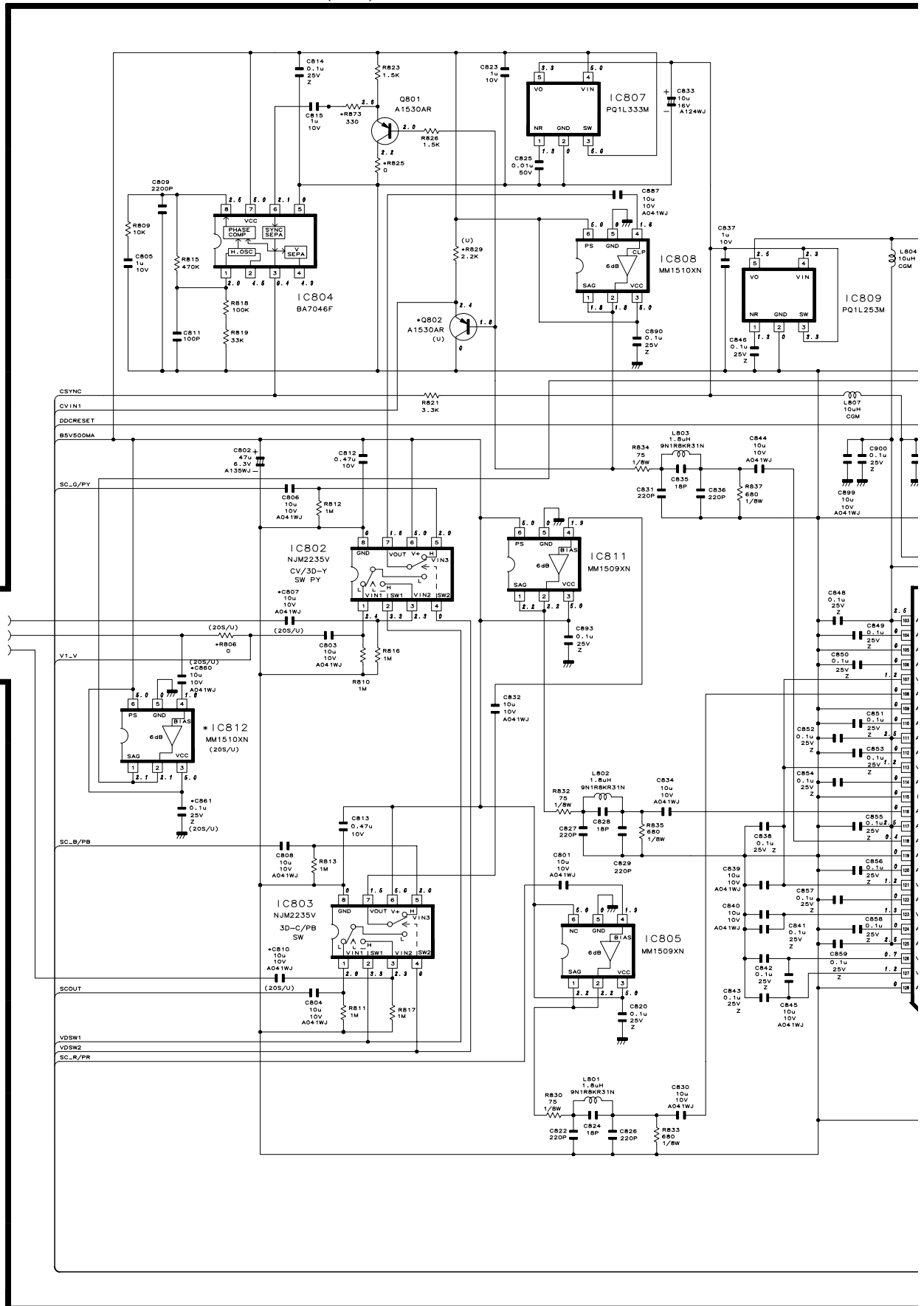
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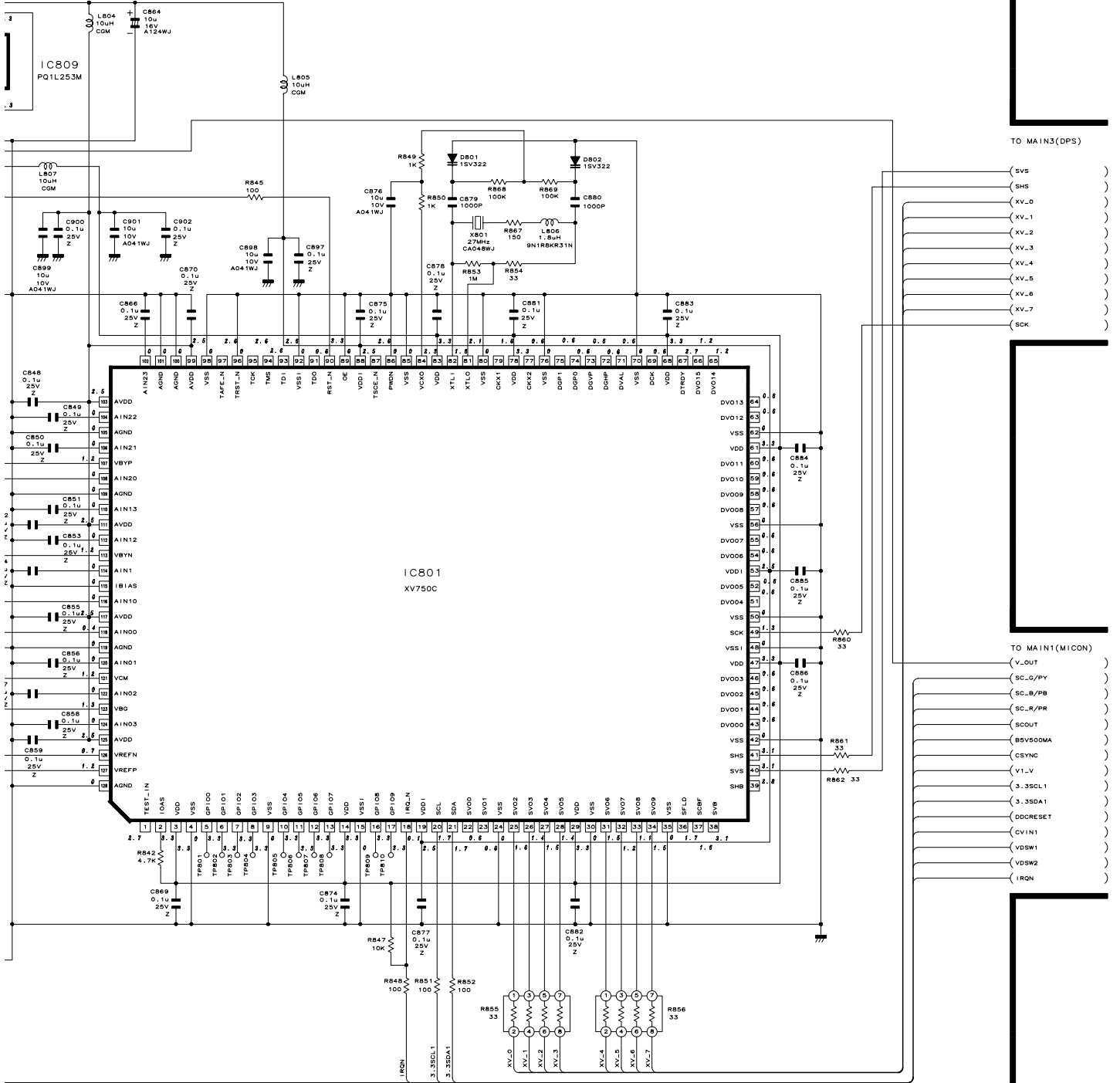
B

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TO MAIN6(3DYC)
 (SYOUT1)
 (V-AV1)
 (SCOUT1)

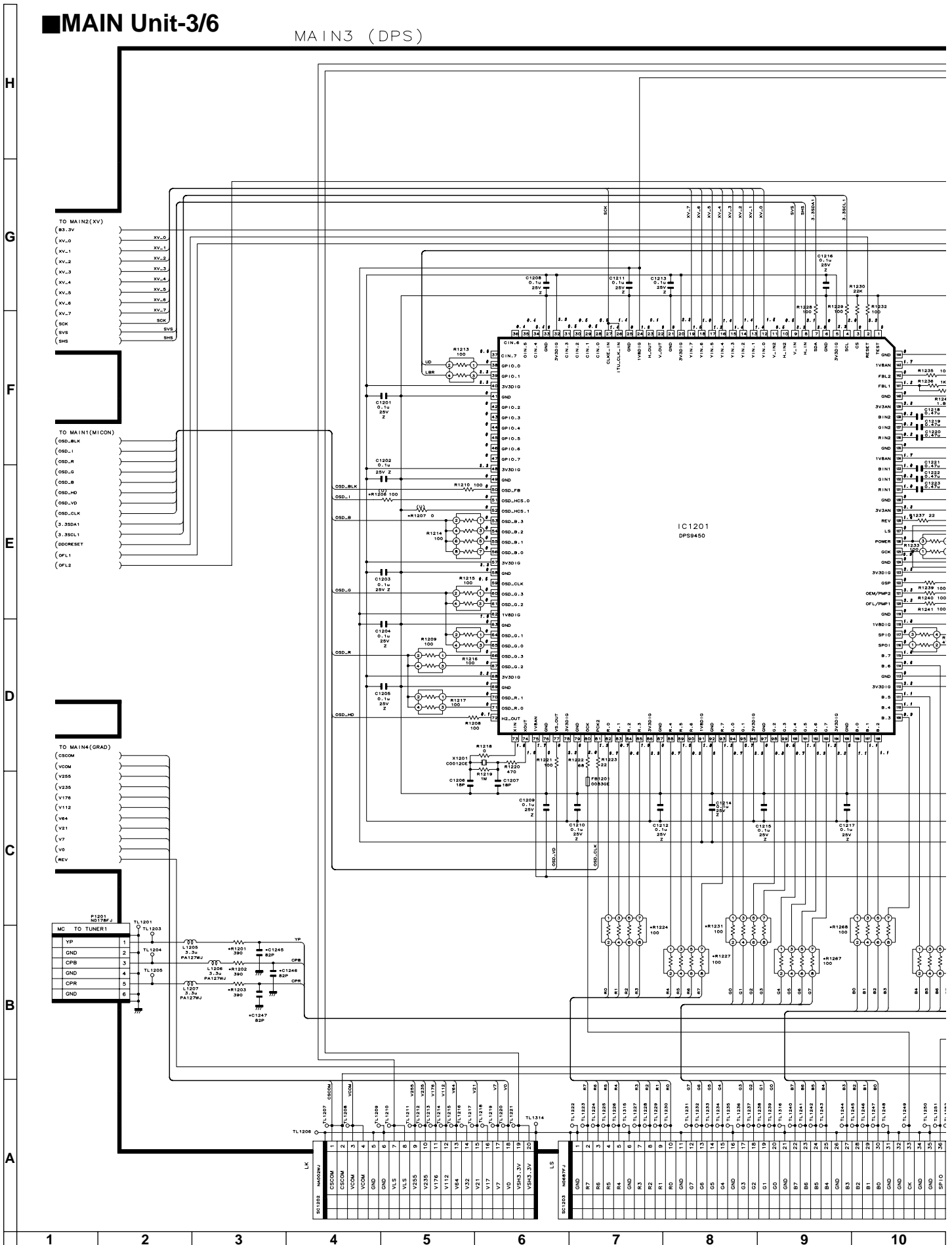


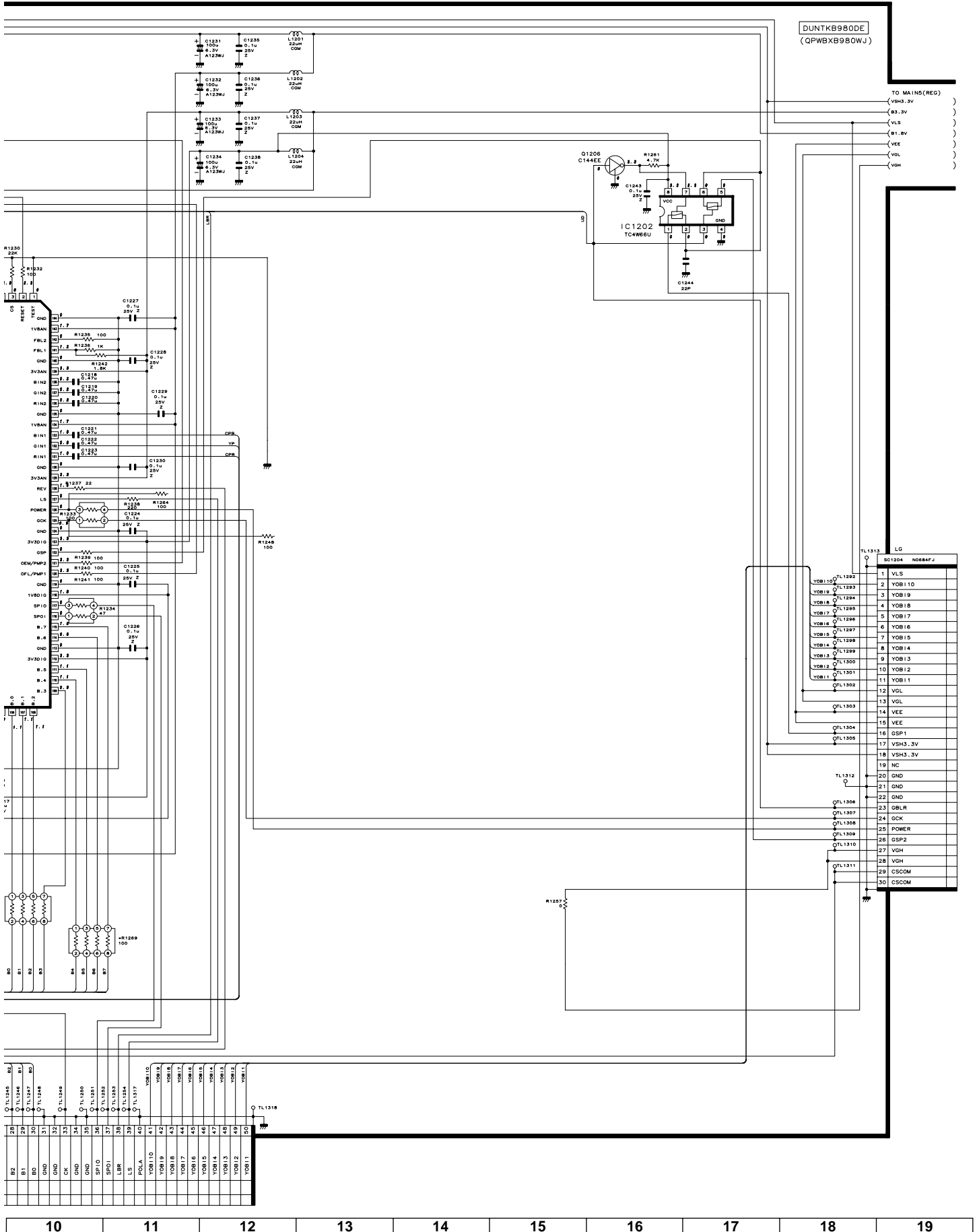
DUNTKB980DE
(QPWBXB980WJ)



| | | | | | | | | | |
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| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|----|----|----|----|----|----|----|----|----|----|

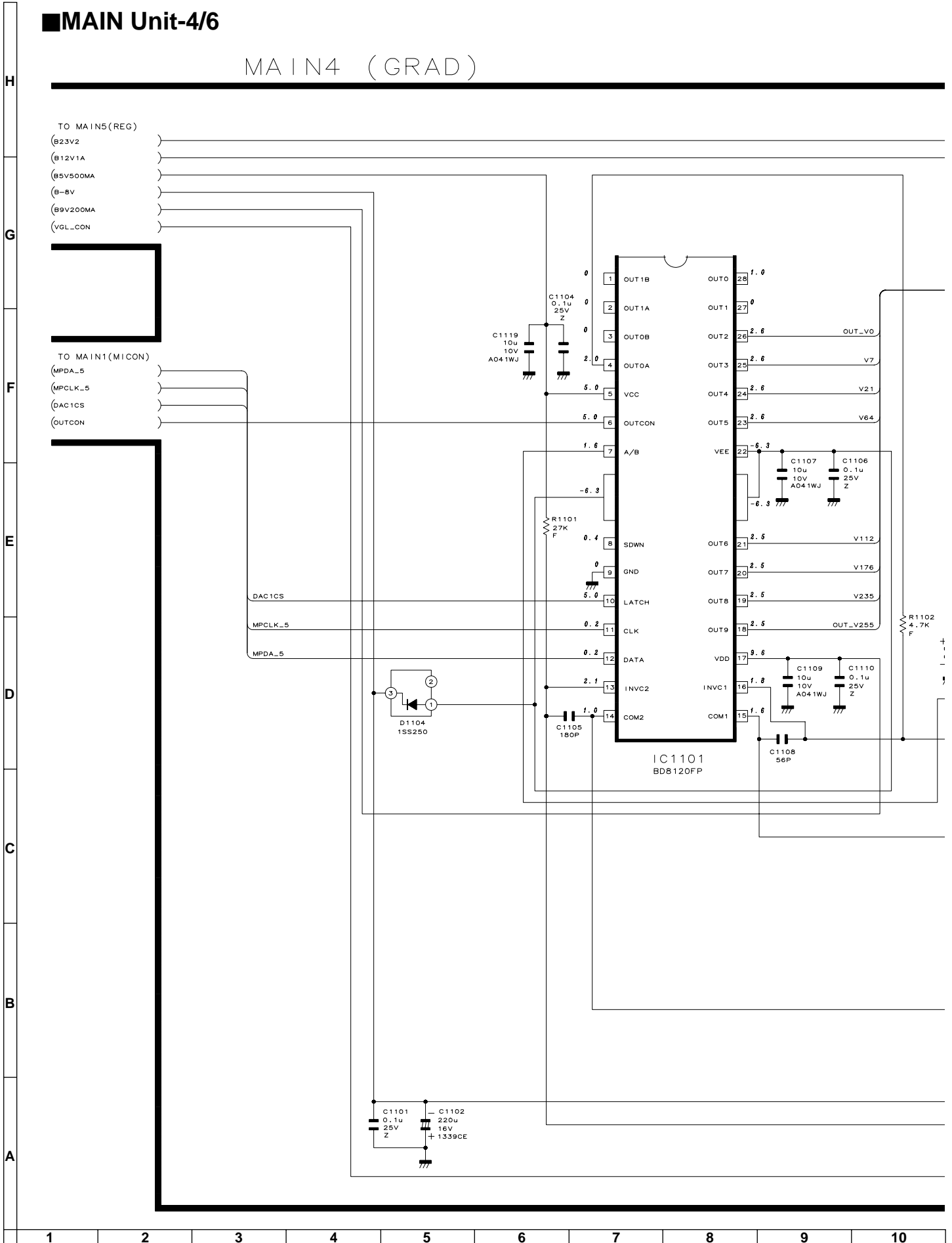
MAIN3 (DPS)

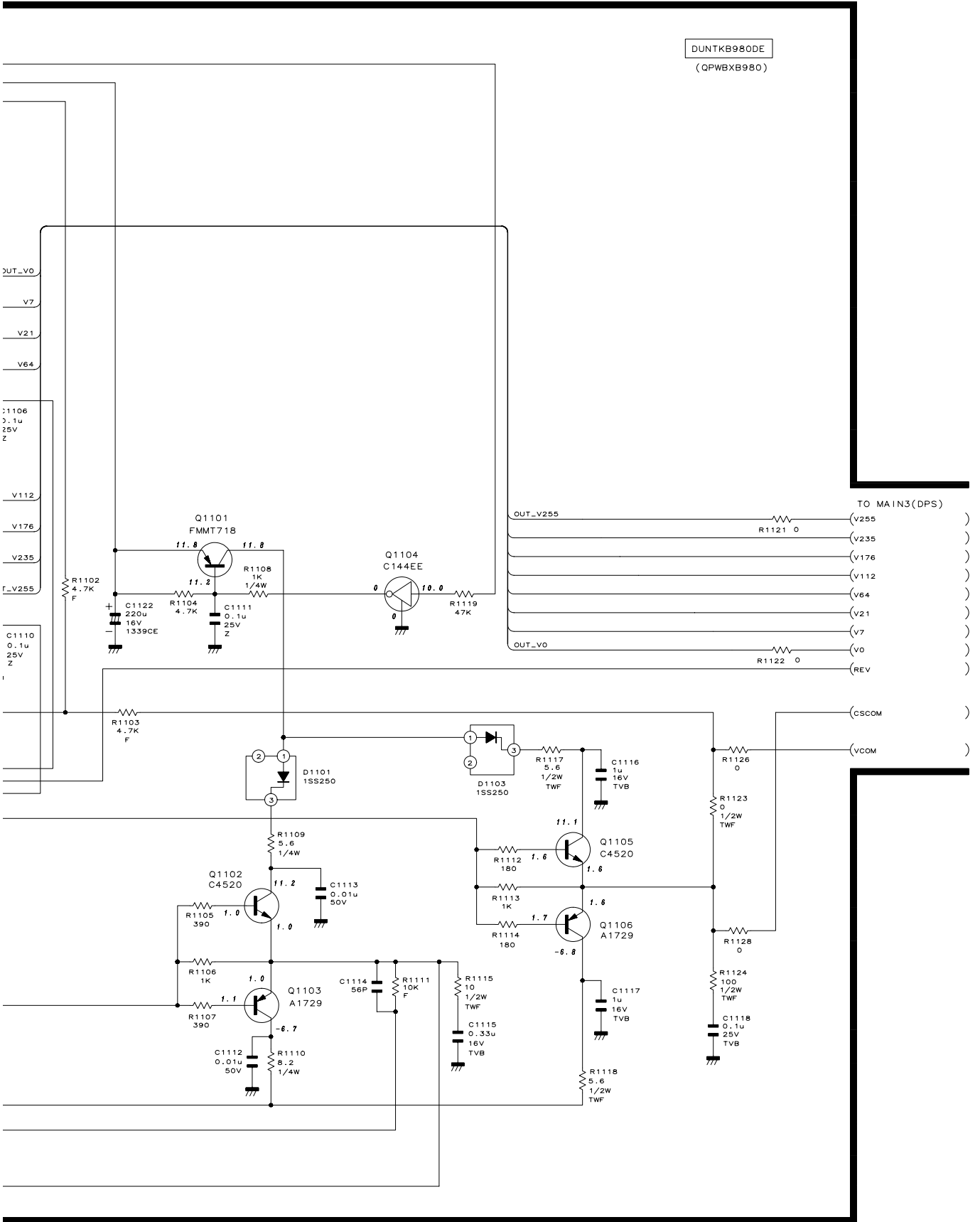




MAIN Unit-4/6

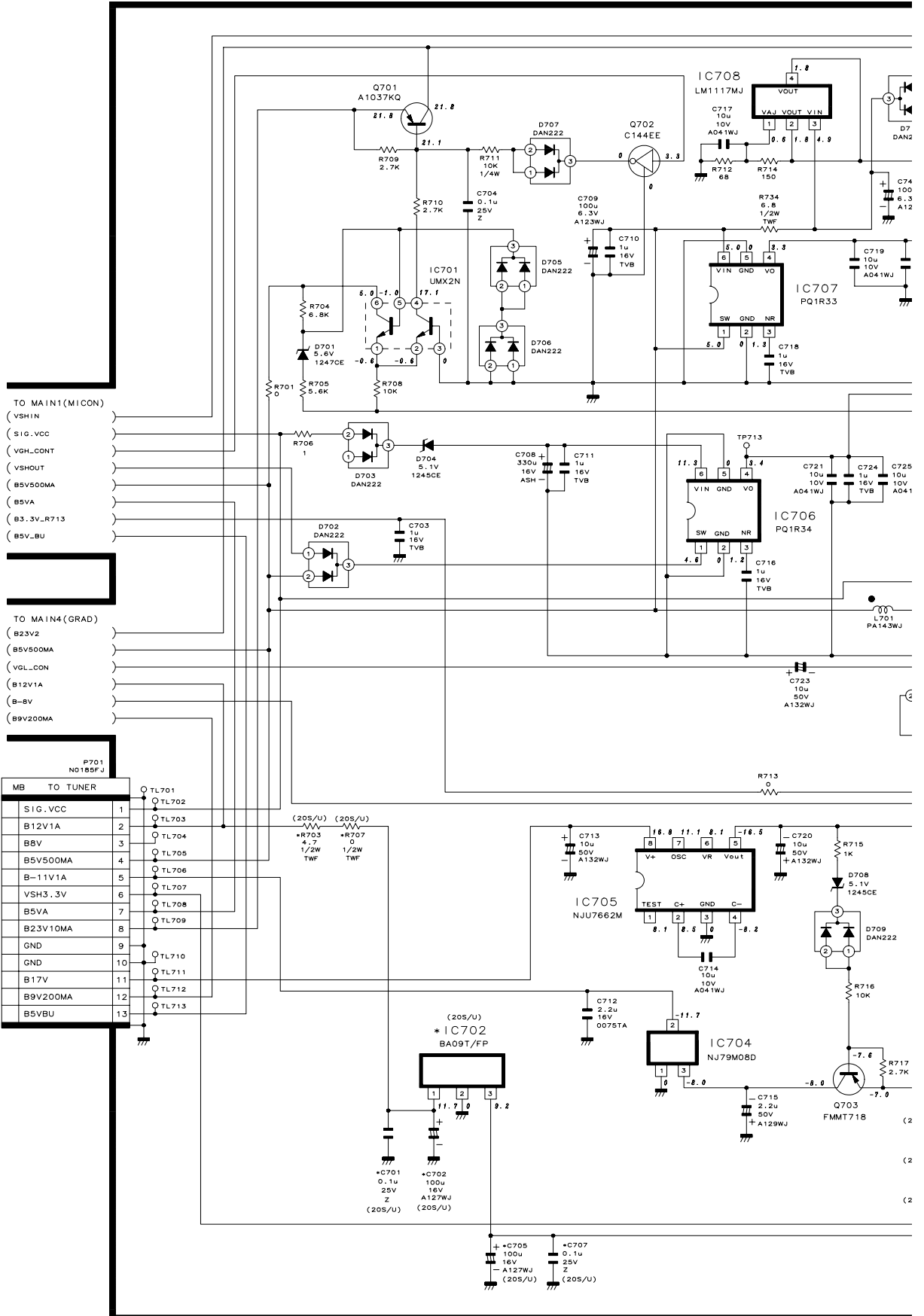
MAIN4 (GRAD)

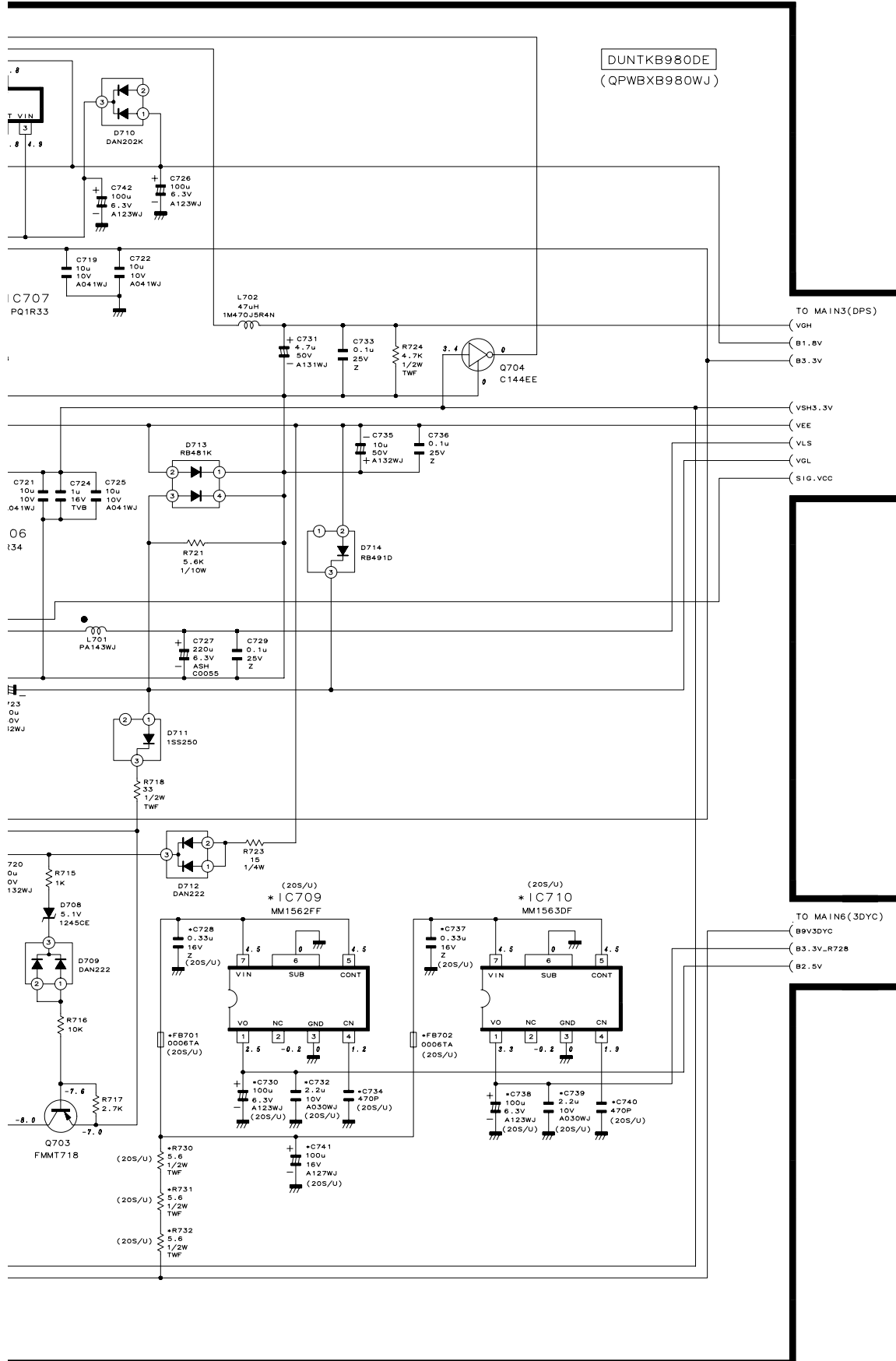




MAIN Unit-5/6

MAIN5(REG)

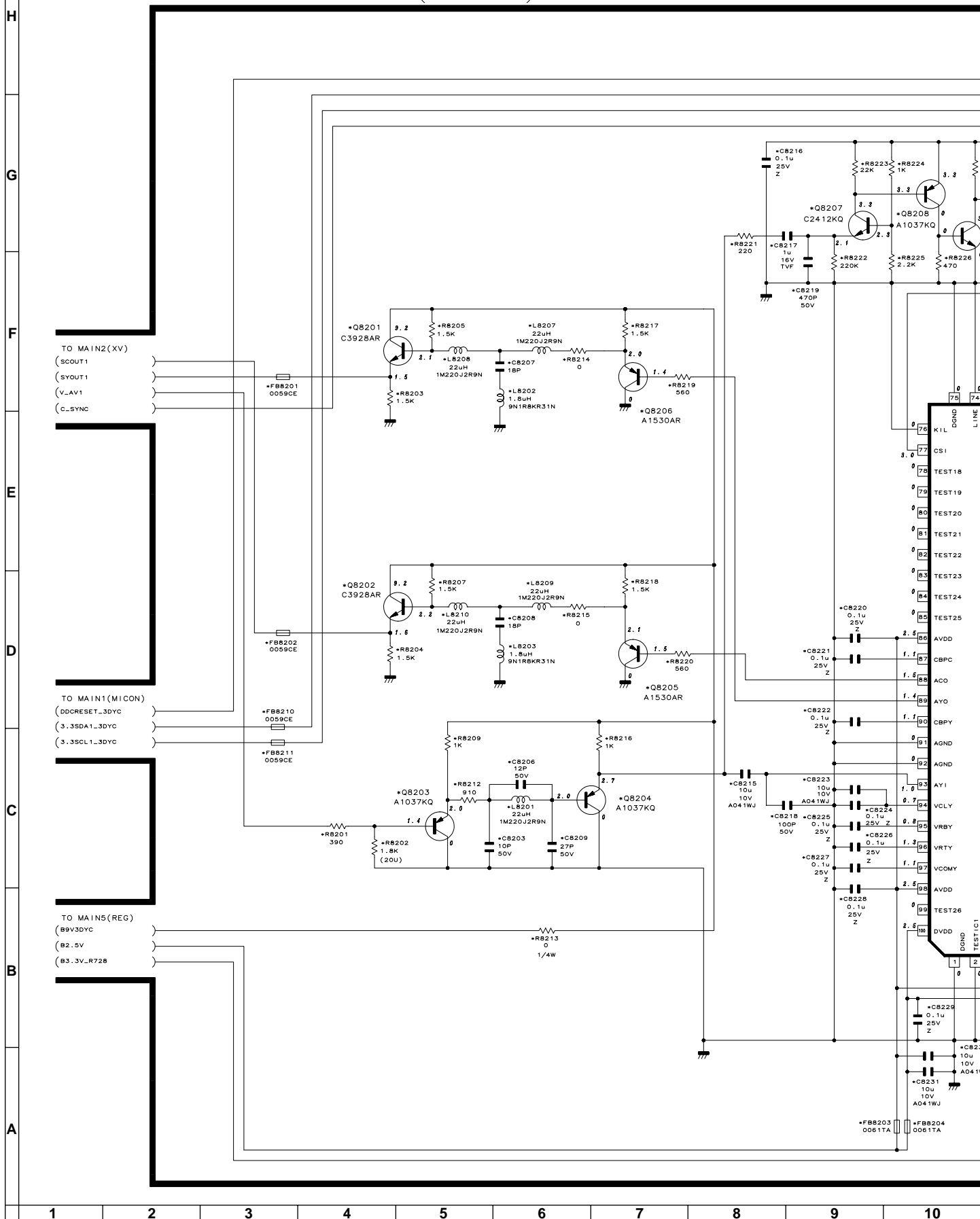


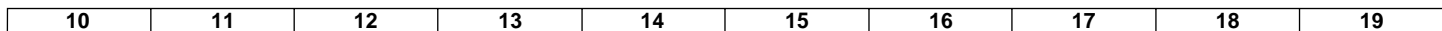


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|----|----|----|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|----|----|----|----|----|----|----|----|----|----|

■MAIN Unit-6/6

MAIN6 (3D YC)





SUB Unit-1/4

SUB1 (TUNER/TERMINAL)

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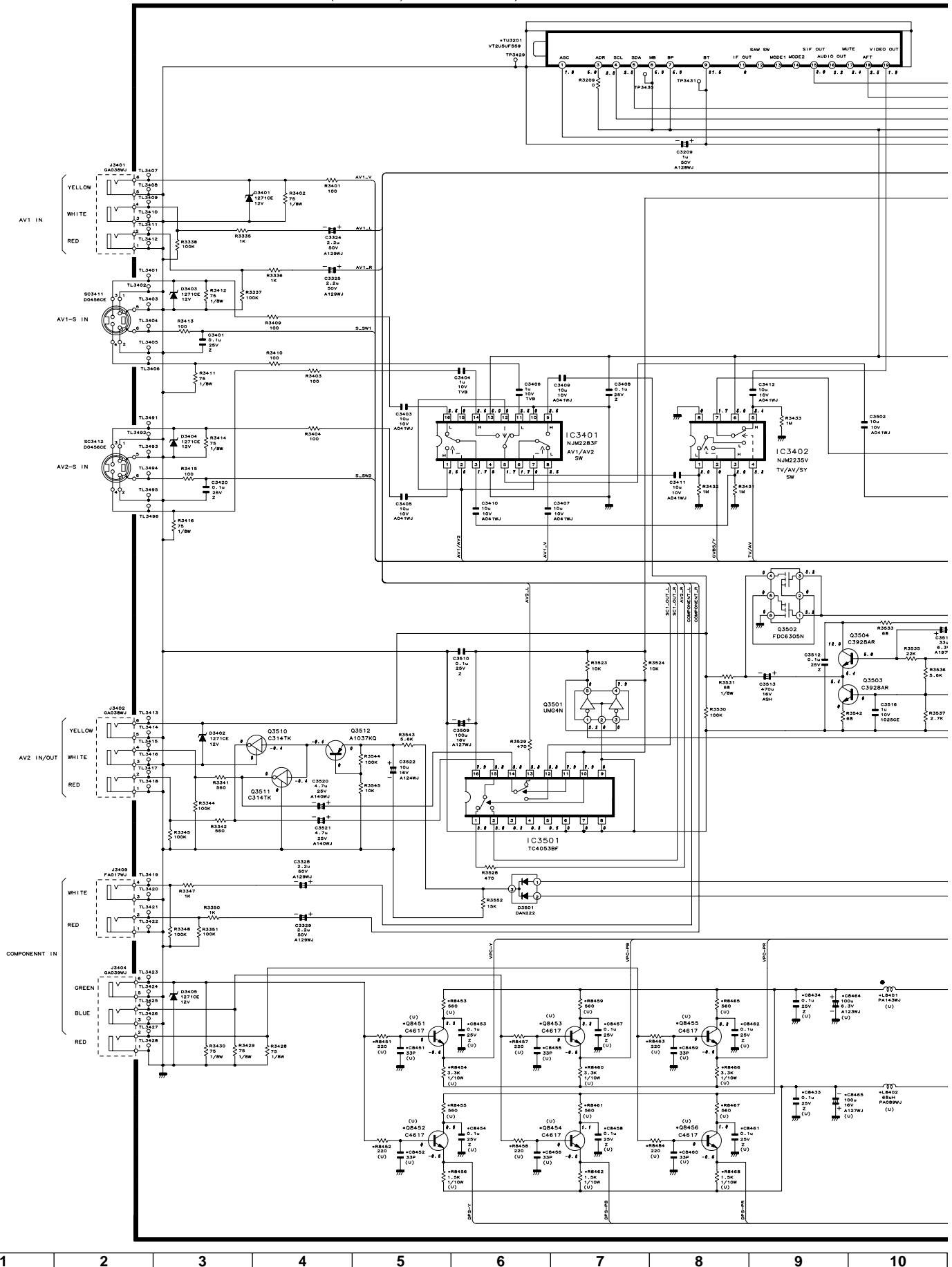
D

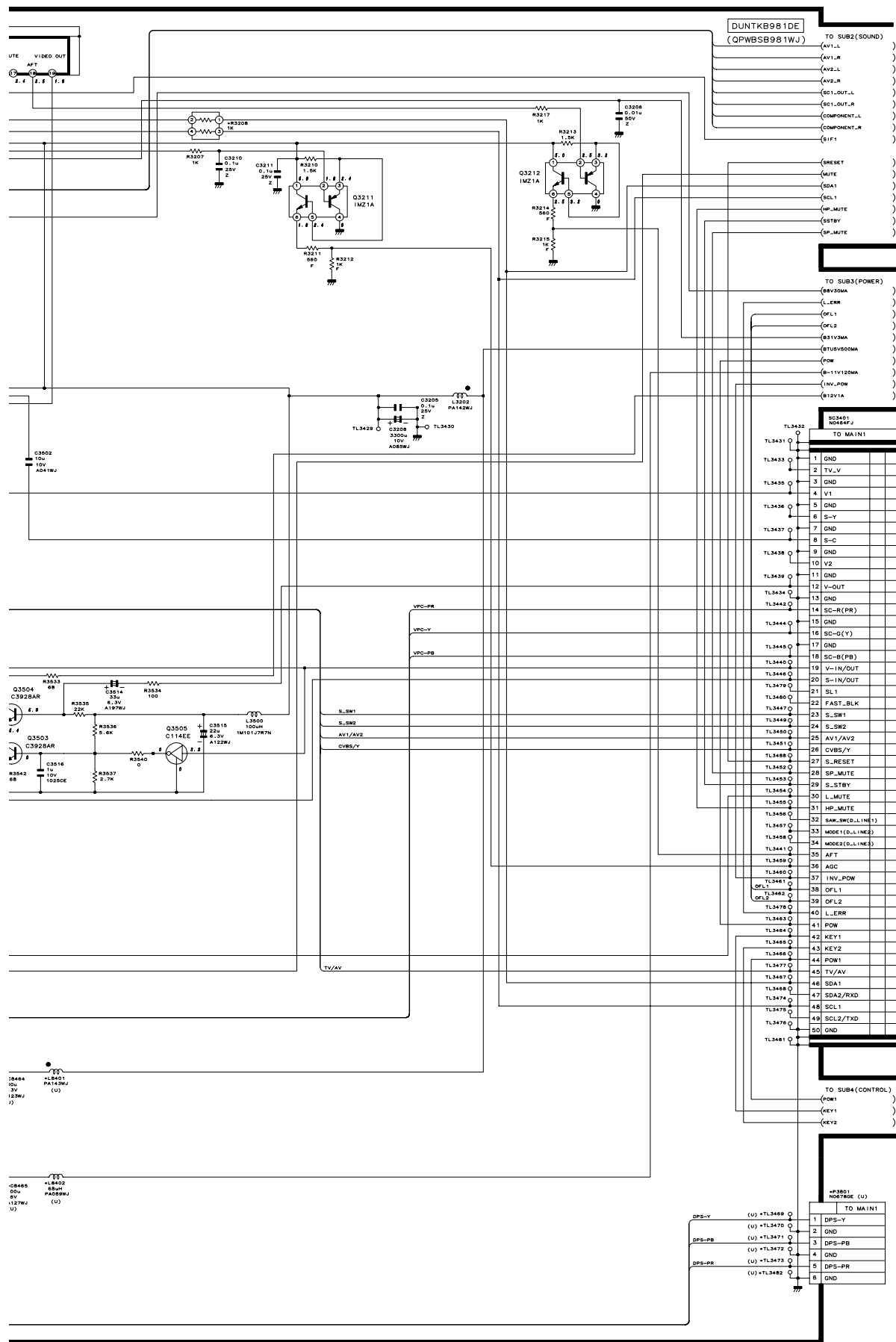
C

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1 2 3 4 5 6 7 8 9 10

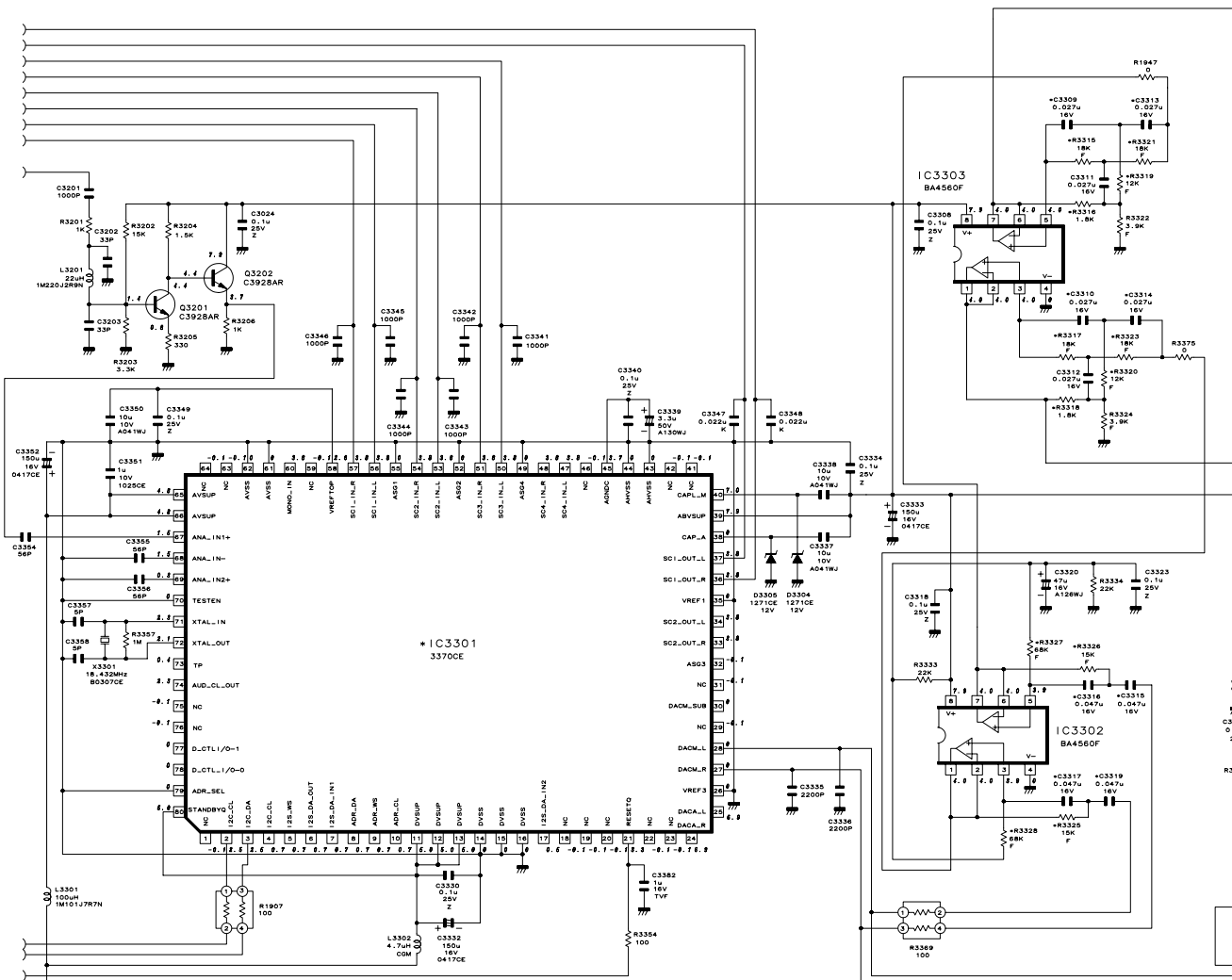




TO SUB1(TUNER/TERMINAL)

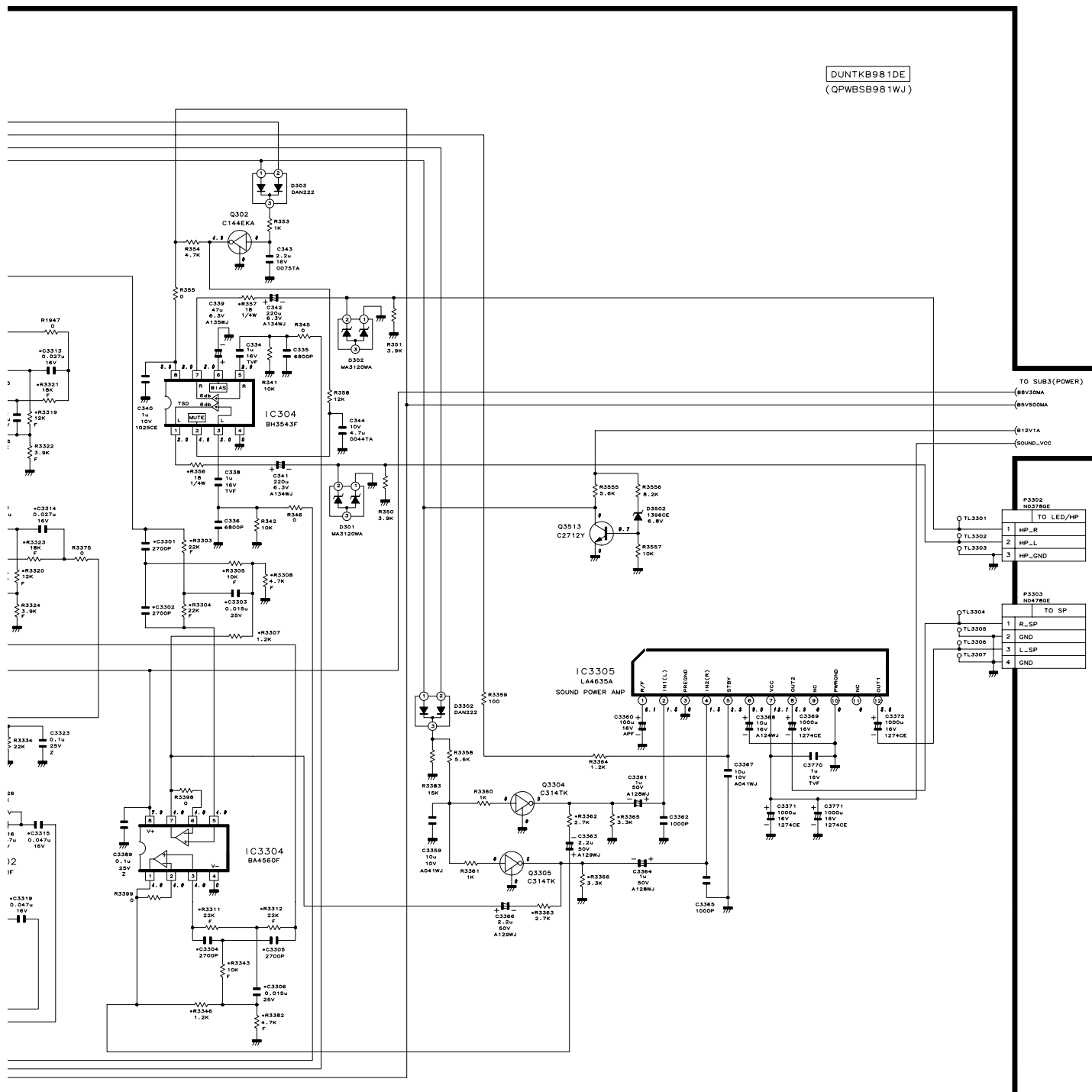
```
( HP_MUTE
( SSTBY
( SP_MUTE
( MUTE
```

(SC1_OUT_R
(SC1_OUT_L
(COMPONENT_L
(COMPONENT_R
(AV2_L
(AV2_R
(AV1_L
(AV1_R
(SIF1



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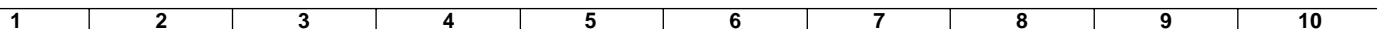
E

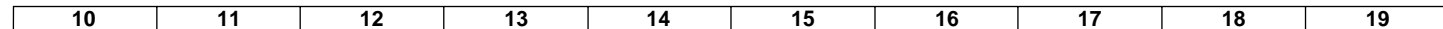
D

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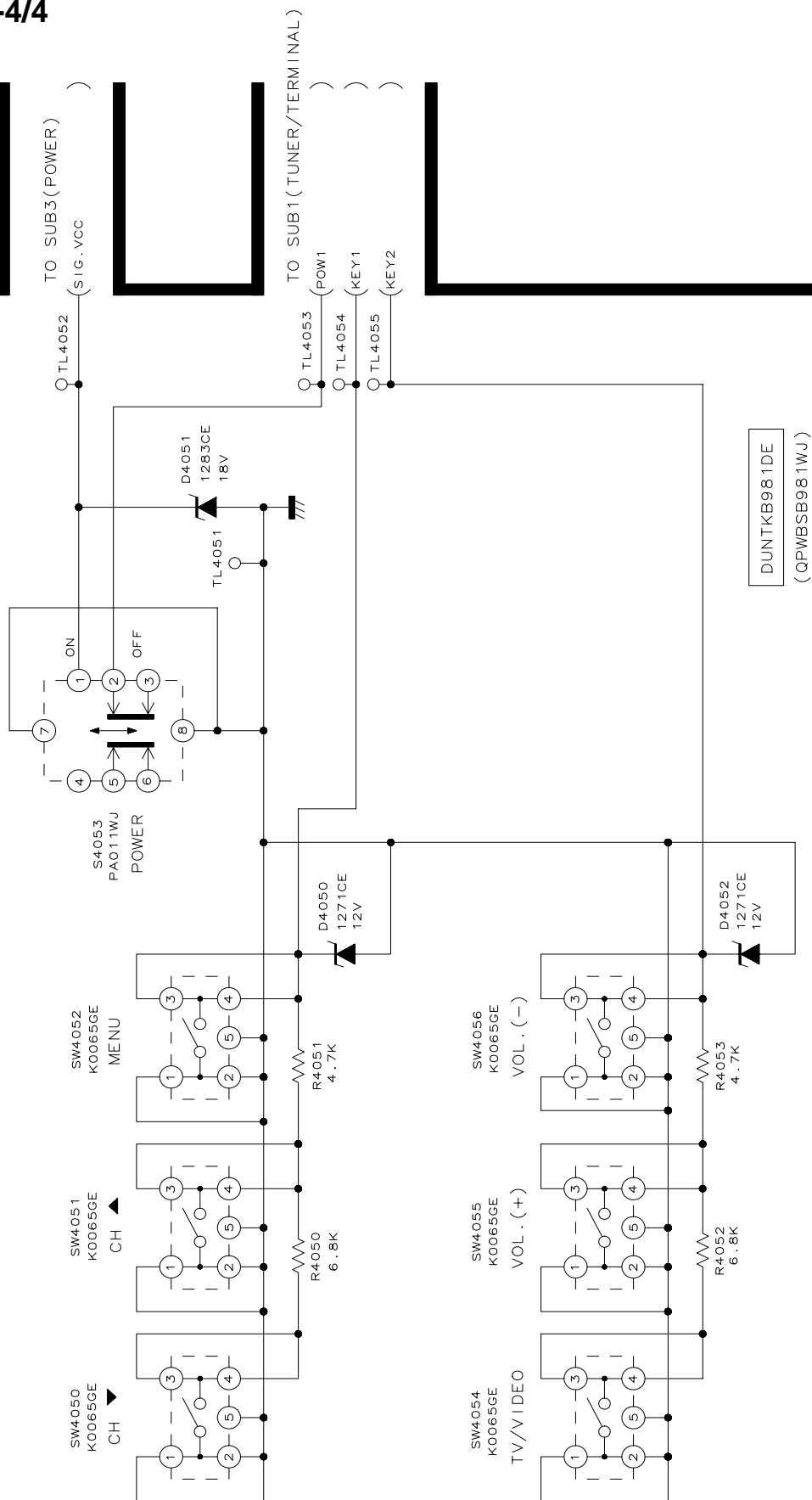
A





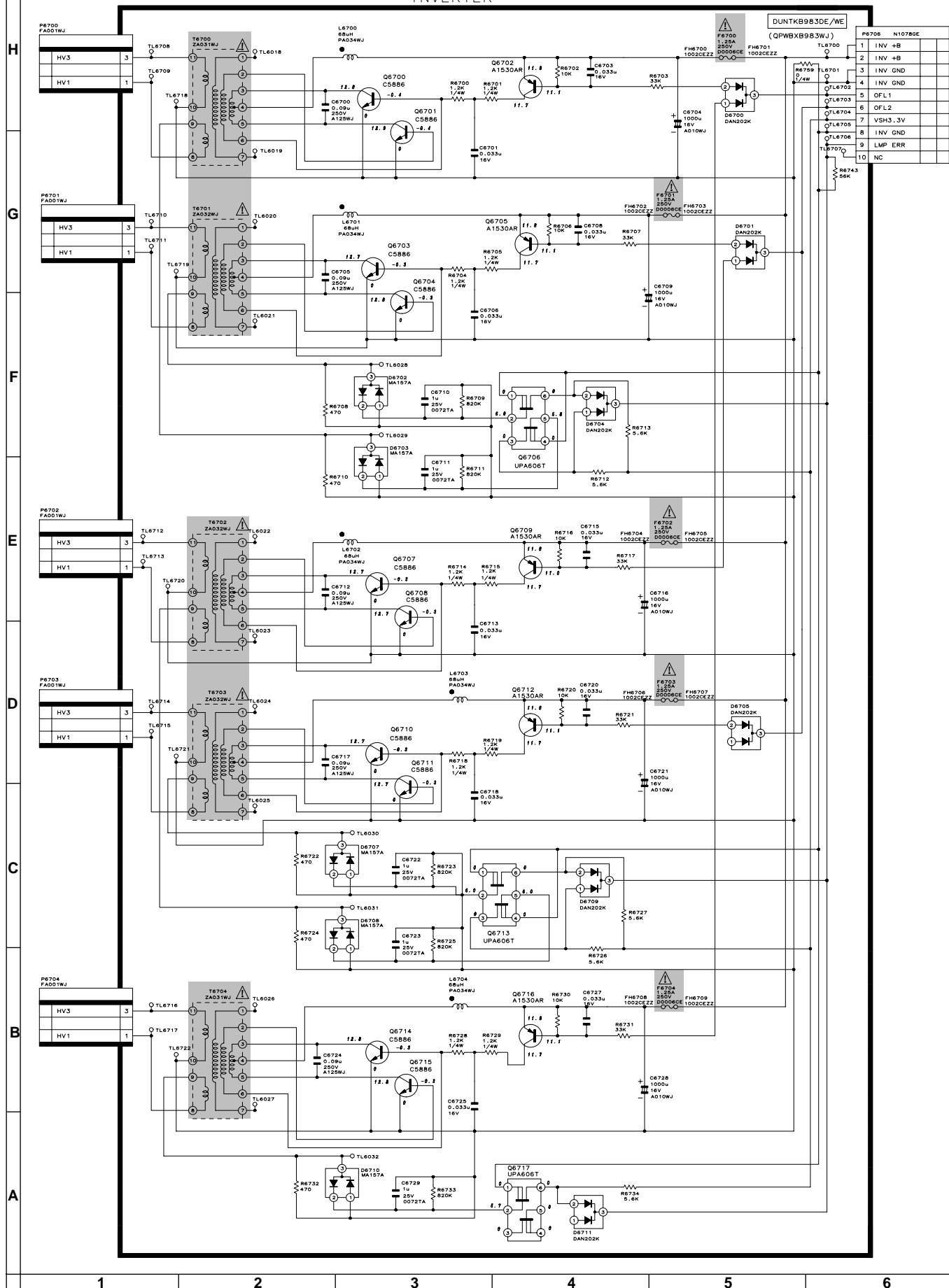
SUB Unit-4/4

SUB4 (CONTROL)



■ INVERTER Unit

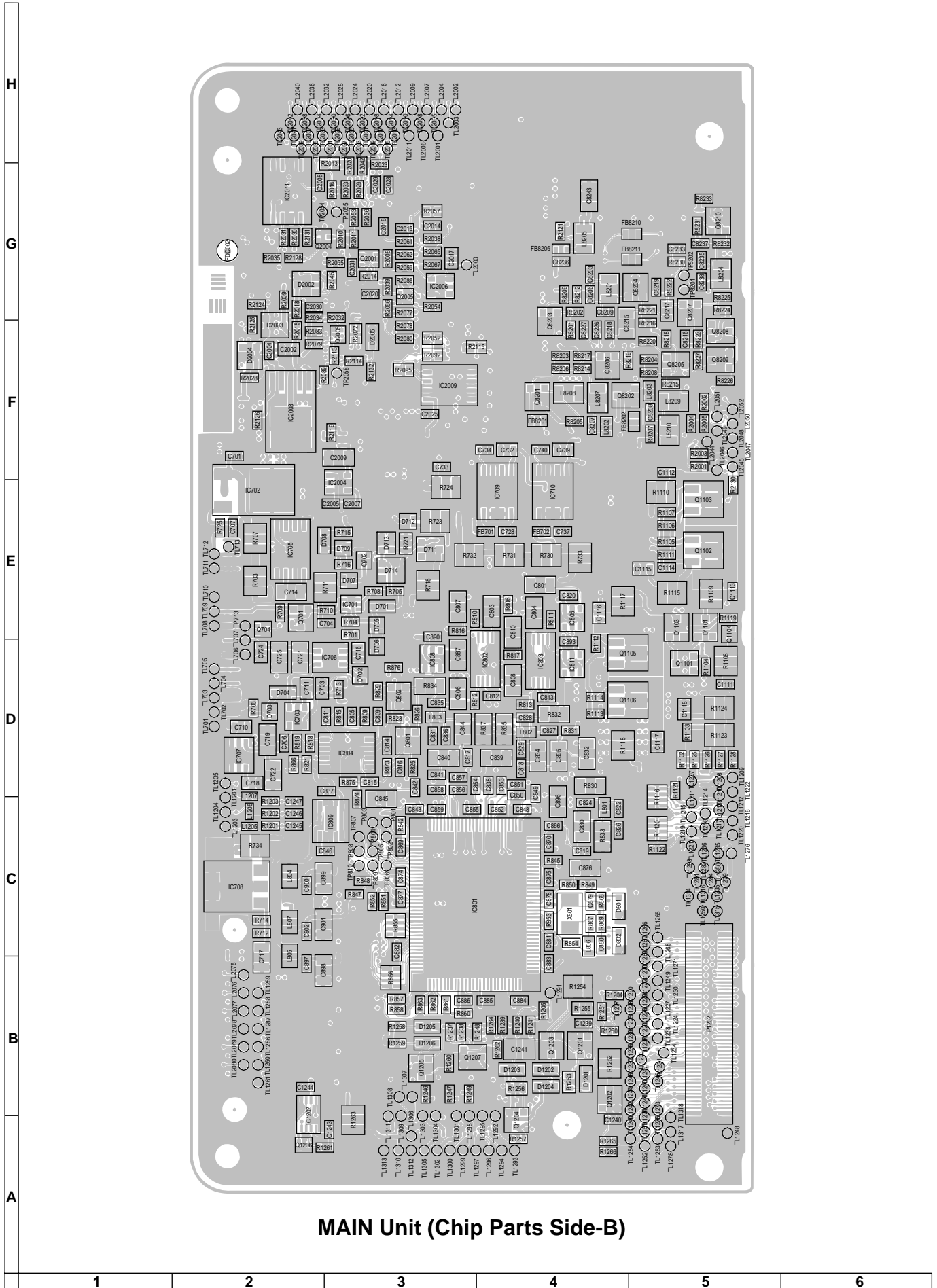
INVERTER



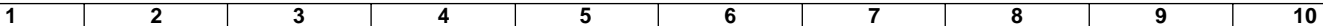
| | | | | | | |
|--|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
|--|---|---|---|---|---|---|

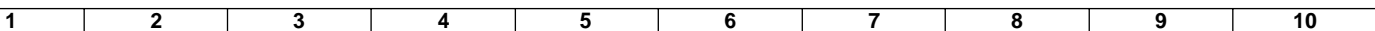




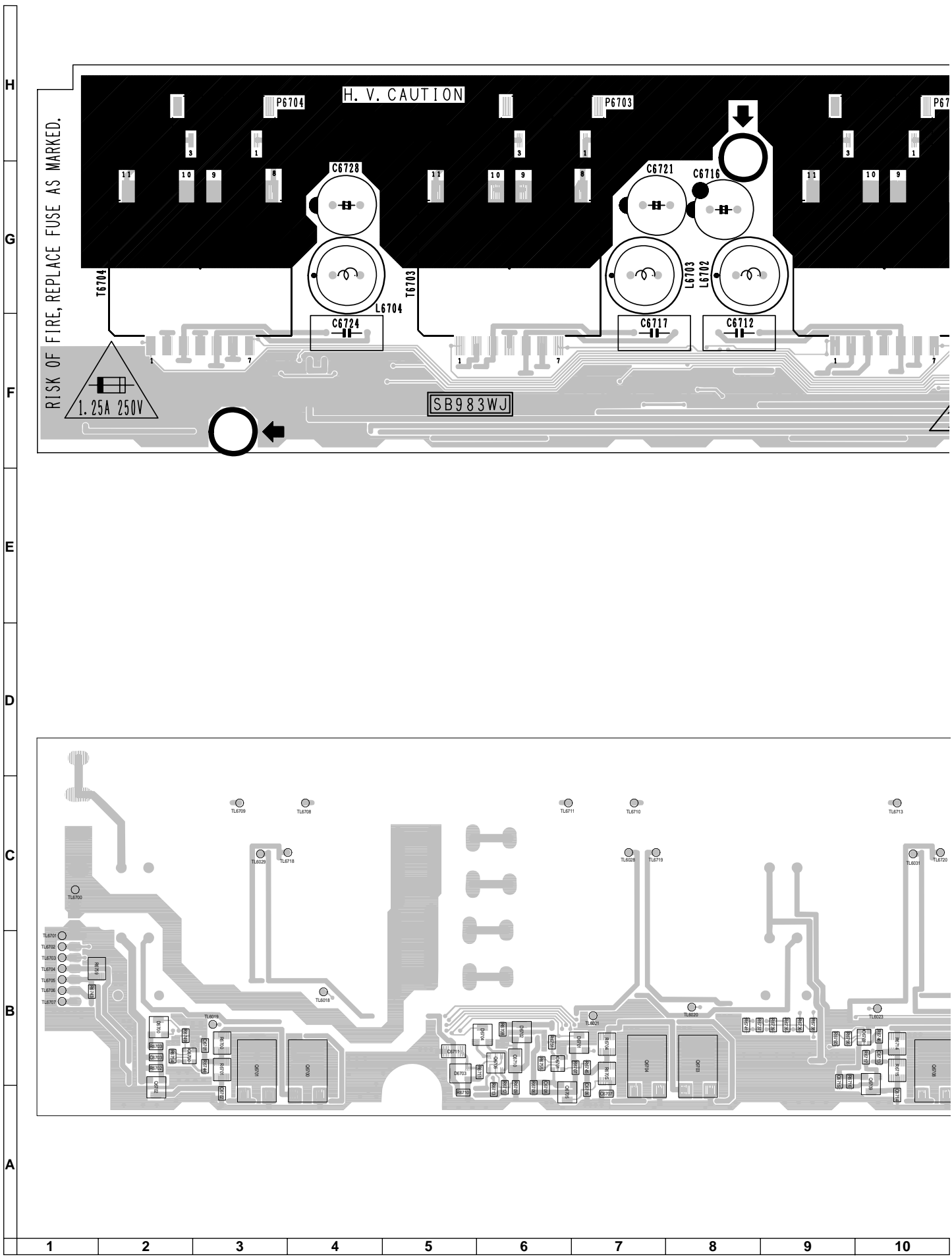


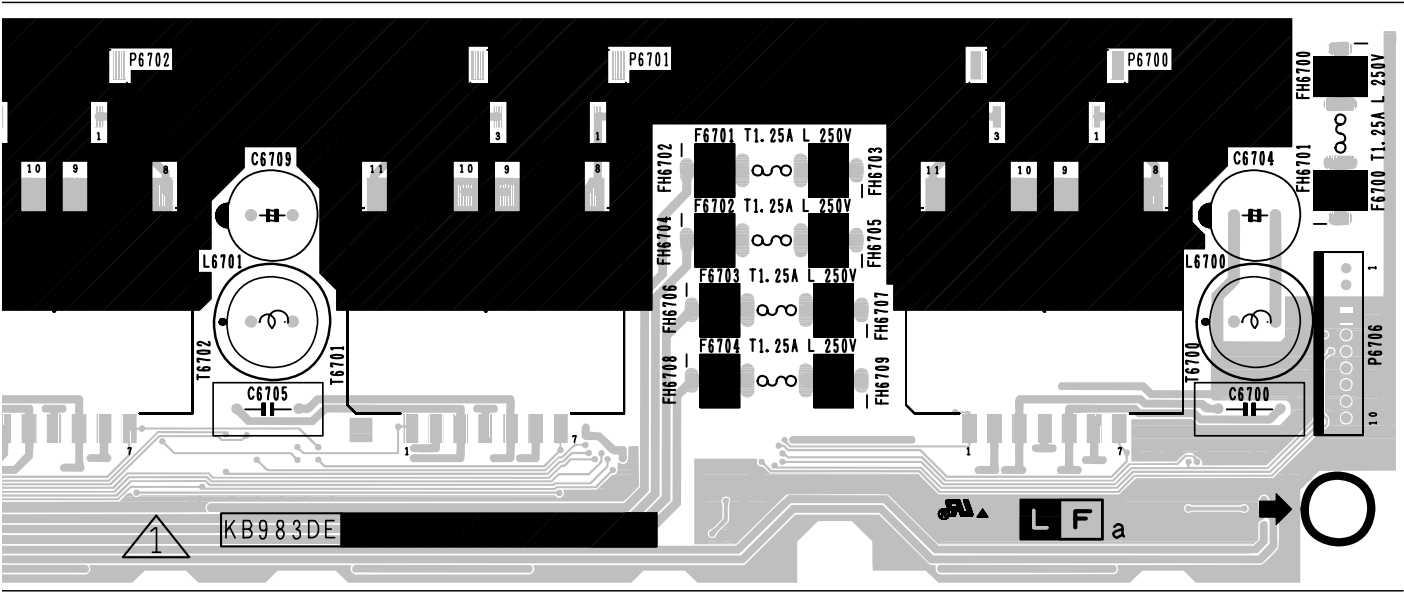
MAIN Unit (Chip Parts Side-B)



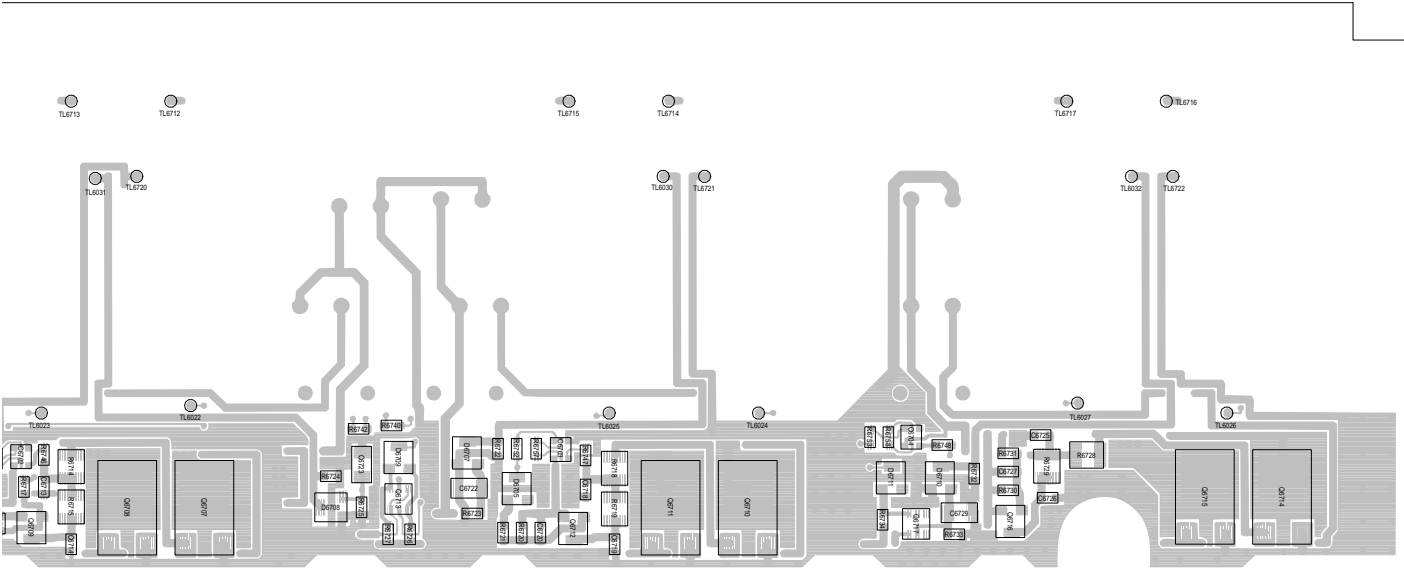


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| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|----|----|----|----|----|----|----|----|----|----|





INVERTER Unit (Side-A)



INVERTER Unit (Side-B)

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|----|----|----|----|----|----|----|----|----|----|

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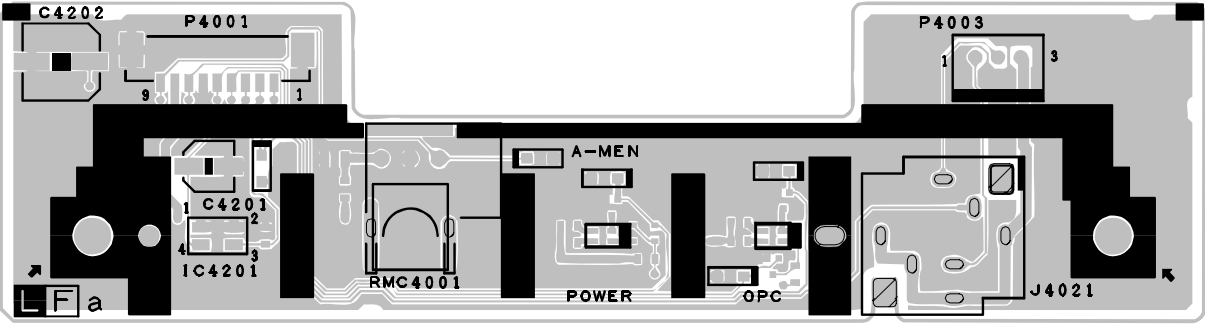
E

D

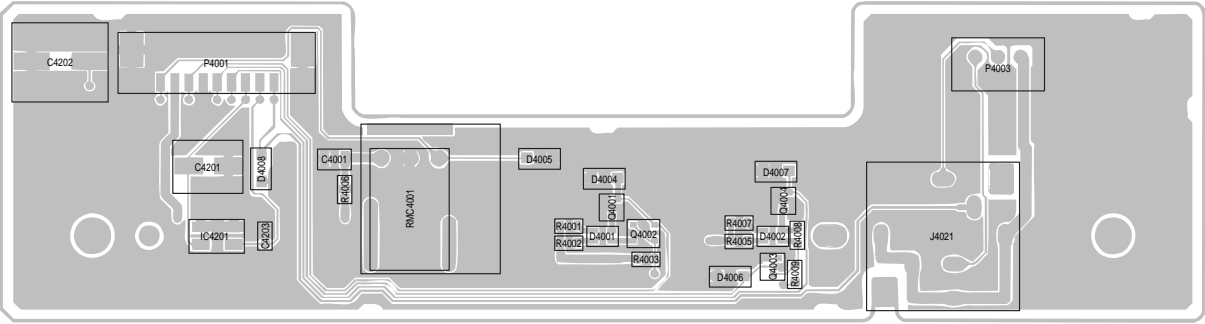
C

B

A



R/C, LED Unit (Side-A)
(QPWBSB982WJN1)



R/C, LED Unit (Chip Parts Side-A)
(QPWBSB982WJN1)

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
4

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6

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual ; electrical components having such features are identified by  and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |

in **USA**: Contact your nearest SHARP Parts Distributor to order. For location of SHARP Parts Distributor, Please call Toll-Free; 1-800-BE-SHARP

★ MARK: SPARE PARTS-DELIVERY SECTION

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

PRINTED WIRING BOARD ASSEMBLYS (NOT REPLACEMENT ITEM)

| | | | |
|---------------|---|---------------|---|
| DUNTKB980FE06 | — | MAIN Unit | — |
| DUNTKB981DE03 | — | SUB Unit | — |
| DUNTKB982DE03 | — | R/C,LED Unit | — |
| DUNTKB983WJ03 | — | INVERTER Unit | — |


LCD PANEL

NOTE: THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

| | | | |
|--------------|---|--------------------|----|
| RLCDA025WJZZ | J | 20" LCD Panel Unit | DB |
|--------------|---|--------------------|----|

LISTE DES PIECES

CHANGE DES PIECES

Les pièces de rechange qui présentent ces caractéristiques spéciales de sécurité, sont identifiées dans ce manuel : les pièces électriques qui présentent ces particularités, sont représentées par la marque  et sont hachurées dans les listes de pièces et dans les diagrammes schématiques.

La substitution d'une pièce de rechange par une autre qui ne présente pas les mêmes caractéristiques de sécurité que la pièce recommandée par l'usine et dans ce manuel de service, peut provoquer une électrocution, un incendie ou tout autre sinistre.

"COMMENT COMMANDER LES PIECES DE RECHANGE"

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivants.

- | | |
|---------------------|----------------|
| 1. NUMERO DU MODELE | 2. NO. DE REF |
| 3. NO. DE PIECE | 4. DESCRIPTION |

in **CANADA**: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100

★ MARQUE: SECTION LIVRAISON DES PIECES DERECHANGE

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

DUNTKB980FE06 MAIN Unit

INTEGRATED CIRCUITS

| | | | | |
|--------|----------------|---|----------------|----|
| IC701 | VSUMX2N++++-1Y | J | UMX2N | AB |
| IC702 | VHIBA09T/FP-1Y | J | BA09FP-E2 | AG |
| IC704 | VHiNJ79M08D-1Y | J | NJM79M08DL1A | AF |
| IC705 | VHiNJU7662M-1Y | J | NJU7662M(TE2) | AL |
| IC706 | VHiPQ1R34+-1Y | J | PQ1R34 | AE |
| IC707 | VHiPQ1R33/-1Y | J | PQ1R33 | AE |
| IC708 | VHiLM1117MJ-1Y | J | LM1117MPX-ADJ | AF |
| IC709 | VHiMM1562FF-1Y | J | MM1562FFBE | AE |
| IC710 | VHiMM1563DF-1Y | J | MM1563DFBE | AE |
| IC801 | VHiXV750C+-1Q | J | Xv750CQ1-01 | AZ |
| IC802 | VHiNJM2235V-1Y | J | NJM2235V | AE |
| IC803 | VHiNJM2235V-1Y | J | NJM2235V | AE |
| IC804 | VHIBA7046F/-1Y | J | BA7046F | AF |
| IC805 | VHiMM1509XN-1Y | J | MM1509XNRE | AD |
| IC807 | VHiPQ1L333M-1Y | J | PQ1L333M2SP | AD |
| IC808 | VHiMM1510XN-1Y | J | MM1510XNRE | AE |
| IC809 | VHiPQ1L253M-1Y | J | PQ1L253M2SP | AD |
| IC811 | VHiMM1509XN-1Y | J | MM1509XNRE | AD |
| IC812 | VHiMM1510XN-1Y | J | MM1510XNRE | AE |
| IC1101 | VHiBD8120FP-1Y | J | BD8120FP | AX |
| IC1201 | VHiDPS9450+-1Q | J | DPS9450A-XZ-A1 | BD |
| IC1202 | VHiTC4W66U/-1Y | J | TC4W66FU | AE |
| IC2001 | RH-iXA622WJN1Q | J | M306V7FGFP | BK |
| IC2003 | VHiSi3010KM-1Y | J | SI-3010KM-TL | AF |
| IC2004 | VHiMM1573DN-1Y | J | MM1573DNRE | AD |
| IC2006 | VHiBD4729G+-1Y | J | BD4729G-TR | AD |
| IC2009 | VHiBR24L16F-1Y | J | BR24L16F-WE2 | AF |
| IC2011 | VHiMB3771PF-1Y | J | MB3771PF-G-BND | AG |
| IC8201 | VHiPD64084+-1Q | J | UPD64084GC-8EA | BC |

TRANSISTORS

| | | | | |
|-------|----------------|---|-----------|----|
| Q701 | VS2SA1037KQ-1Y | J | 2SA1037KQ | AA |
| Q702 | VSDTC144EE/-1Y | J | DTC144EE | AA |
| Q703 | VSFMMT718/-1Y | J | FMMT718 | AE |
| Q704 | VSDTC144EE/-1Y | J | DTC144EE | AA |
| Q801 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q802 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q1101 | VSFMMT718/-1Y | J | FMMT718 | AE |
| Q1102 | VS2SC4520/-1Y | J | 2SC4520 | AE |
| Q1103 | VS2SA1729/-1Y | J | 2SA1729 | AF |
| Q1104 | VSDTC144EE/-1Y | J | DTC144EE | AA |
| Q1105 | VS2SC4520/-1Y | J | 2SC4520 | AE |

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

DUNTKB980FE06

MAIN Unit (Continued)

| | | | | |
|-------|----------------|---|-----------|----|
| Q1106 | VS2SA1729//-1Y | J | 2SA1729 | AF |
| Q1206 | VSDTC144EE/-1Y | J | DTC144EE | AA |
| Q2001 | VSUM5K1NTR+-1Y | J | UM5K1NTR | AC |
| Q2002 | VS2SA1037KQ-1Y | J | 2SA1037KQ | AA |
| Q2003 | VSDTC144EE/-1Y | J | DTC144EE | AA |
| Q2004 | VS3LN01S///-1Y | J | 3LN01S | AC |
| Q2005 | VSDTC114EE/-1Y | J | DTC114EE | AB |
| Q2007 | VSUPA606T//1Y | J | UPA606T | AD |
| Q2008 | VSDTC114EE/-1Y | J | DTC114EE | AB |
| Q2009 | VSUPA606T//1Y | J | UPA606T | AD |
| Q2011 | VSUPA606T//1Y | J | UPA606T | AD |
| Q8201 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q8202 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q8203 | VS2SA1037KQ-1Y | J | 2SA1037KQ | AA |
| Q8204 | VS2SA1037KQ-1Y | J | 2SA1037KQ | AA |
| Q8205 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q8206 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q8207 | VS2SC2412KQ-1Y | J | 2SC2412KQ | AA |
| Q8208 | VS2SA1037KQ-1Y | J | 2SA1037KQ | AA |
| Q8209 | VS2SC2412KQ-1Y | J | 2SC2412KQ | AA |
| Q8210 | VS2SA1037KQ-1Y | J | 2SA1037KQ | AA |

DIODES

| | | | | |
|-------|----------------|---|-------------------|----|
| D701 | RH-EX1247CEZZY | J | Zener Diode, 5.6V | AB |
| D702 | VHDDAN222//1Y | J | Diode | AA |
| D703 | VHDDAN222//1Y | J | Diode | AA |
| D704 | RH-EX1245CEZZY | J | Zener Diode, 5.1V | AB |
| D705 | VHDDAN222//1Y | J | Diode | AA |
| D706 | VHDDAN222//1Y | J | Diode | AA |
| D707 | VHDDAN222//1Y | J | Diode | AA |
| D708 | RH-EX1245CEZZY | J | Zener Diode, 5.1V | AB |
| D709 | VHDDAN222//1Y | J | Diode | AA |
| D710 | VHDDAN202K/-1Y | J | Diode | AB |
| D711 | VHD1SS250//1EY | J | Diode | AB |
| D712 | VHDDAN222//1Y | J | Diode | AA |
| D713 | VHDRB481K+-1Y | J | Diode | AD |
| D714 | VHDRB491D+-1Y | J | Diode | AD |
| D801 | VHD1SV322+-1Y | J | Diode | AD |
| D802 | VHD1SV322+-1Y | J | Diode | AD |
| D1101 | VHD1SS250//1EY | J | Diode | AB |
| D1103 | VHD1SS250//1EY | J | Diode | AB |
| D1104 | VHD1SS250//1EY | J | Diode | AB |
| D2003 | VHDDAN202K/-1Y | J | Diode | AB |
| D2004 | VHDRB491D+-1Y | J | Diode | AD |

PACKAGED CIRCUITS

| | | | | |
|-------|----------------|---|----------------|----|
| X801 | RCRSCA048WJZZY | J | Crystal, 27MHz | AH |
| X1201 | RCRSC0012CEZZY | J | Crystal | AH |
| X2001 | RCRSC0032TAZZY | J | Crystal | AG |
| X8201 | RCRSC0026CEZZY | J | Crystal | AG |

FILTER AND COILS

| | | | | |
|--------|----------------|---|---------------|----|
| FL2001 | RFILZ0169TAZZY | J | Filter | AD |
| L701 | RCILPA143WJZZY | J | Coil | AD |
| L702 | VP-1M470J5R4NY | J | Peaking 47μH | AC |
| L801 | VP-9N1R8KR31NY | J | Peaking 1.8μH | AB |
| L802 | VP-9N1R8KR31NY | J | Peaking 1.8μH | AB |
| L803 | VP-9N1R8KR31NY | J | Peaking 1.8μH | AB |
| L804 | VPCGM100MR25NY | J | Peaking 10μH | AB |
| L805 | VPCGM100MR25NY | J | Peaking 10μH | AB |
| L806 | VP-9N1R8KR31NY | J | Peaking 1.8μH | AB |
| L807 | VPCGM100MR25NY | J | Peaking 10μH | AB |
| L1201 | VPCGM220M0R5NY | J | Peaking 22μH | AB |
| L1202 | VPCGM220M0R5NY | J | Peaking 22μH | AB |
| L1203 | VPCGM220M0R5NY | J | Peaking 22μH | AB |
| L1204 | VPCGM220M0R5NY | J | Peaking 22μH | AB |
| L1205 | RCILPA127WJZZY | J | Coil | AC |
| L1206 | RCILPA127WJZZY | J | Coil | AC |
| L1207 | RCILPA127WJZZY | J | Coil | AC |
| L8201 | VP-1M220J2R9NY | J | Peaking 22μH | AB |
| L8202 | VP-9N1R8KR31NY | J | Peaking 1.8μH | AB |

| Ref. No. | Part No. | ★ | Description | Code |
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| L8203 | VP-9N1R8KR31NY | J | Peaking 1.8μH | AB |
| L8204 | VP-1M5R6J1R2NY | J | Peaking 5.6μH | AB |
| L8205 | VP-1M100J1R6NY | J | Peaking 10μH | AB |
| L8206 | VP-1M100J1R6NY | J | Peaking 10μH | AB |
| L8207 | VP-1M220J2R9NY | J | Peaking 22μH | AB |
| L8208 | VP-1M220J2R9NY | J | Peaking 22μH | AB |
| L8209 | VP-1M220J2R9NY | J | Peaking 22μH | AB |
| L8210 | VP-1M220J2R9NY | J | Peaking 22μH | AB |

CAPACITORS

| | | | | |
|------|----------------|---|-----------------------|----|
| C701 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C702 | RC-EZA127WJZZY | J | 100 16V Electrolytic | AC |
| C703 | VCKYTV1CB105KY | J | 1 16V Ceramic | AC |
| C704 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C705 | RC-EZA127WJZZY | J | 100 16V Electrolytic | AC |
| C707 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C708 | VCEASH1CN337MY | J | 330 16V Electrolytic | AE |
| C709 | RC-EZA123WJZZY | J | 100 6.3V Electrolytic | AC |
| C710 | VCKYTV1CB105KY | J | 1 16V Ceramic | AC |
| C711 | VCKYTV1CB105KY | J | 1 16V Ceramic | AC |
| C712 | RC-KZ0075TAZZY | J | 2.2 16V Ceramic | AC |
| C713 | RC-EZA132WJZZY | J | 10 50V Electrolytic | AC |
| C714 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C715 | RC-EZA129WJZZY | J | 2.2 50V Electrolytic | AB |
| C716 | VCKYTV1CB105KY | J | 1 16V Ceramic | AC |
| C717 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C718 | VCKYTV1CB105KY | J | 1 16V Ceramic | AC |
| C719 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C720 | RC-EZA132WJZZY | J | 10 50V Electrolytic | AC |
| C721 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C722 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C723 | RC-EZA132WJZZY | J | 10 50V Electrolytic | AC |
| C724 | VCKYTV1CB105KY | J | 1 16V Ceramic | AC |
| C725 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C726 | RC-EZA123WJZZY | J | 100 6.3V Electrolytic | AC |
| C727 | VCEASH0JN227MY | J | 220 6.3V Electrolytic | AC |
| C728 | VCKYCY1CF334ZY | J | 0.33 16V Ceramic | AB |
| C729 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C730 | RC-EZA123WJZZY | J | 100 6.3V Electrolytic | AC |
| C731 | RC-EZA131WJZZY | J | 4.7 50V Electrolytic | AC |
| C732 | RC-KZA030WJZZY | J | 2.2 10V Ceramic | AB |
| C733 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C734 | VCCCCY1HH471JY | J | 470p 50V Ceramic | AA |
| C735 | RC-EZA132WJZZY | J | 10 50V Electrolytic | AC |
| C736 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C737 | VCKYCY1CF334ZY | J | 0.33 16V Ceramic | AB |
| C738 | RC-EZA123WJZZY | J | 100 6.3V Electrolytic | AC |
| C739 | RC-KZA030WJZZY | J | 2.2 10V Ceramic | AB |
| C740 | VCCCCY1HH471JY | J | 470p 50V Ceramic | AA |
| C741 | RC-EZA127WJZZY | J | 100 16V Electrolytic | AC |
| C742 | RC-EZA123WJZZY | J | 100 6.3V Electrolytic | AC |
| C801 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C802 | RC-EZA135WJZZY | J | 47 6.3V Electrolytic | AC |
| C803 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C804 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C805 | VCKYCY1AB105KY | J | 1 10V Ceramic | AB |
| C806 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C807 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C808 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C809 | VCKYCY1HB222KY | J | 2200p 50V Ceramic | AA |
| C810 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C811 | VCCCCY1HH101JY | J | 100p 50V Ceramic | AA |
| C812 | VCKYCY1AB474KY | J | 0.47 10V Ceramic | AC |
| C813 | VCKYCY1AB474KY | J | 0.47 10V Ceramic | AC |
| C814 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C815 | VCKYCY1AB105KY | J | 1 10V Ceramic | AB |
| C820 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C822 | VCCCCY1HH221JY | J | 220p 50V Ceramic | AA |
| C823 | VCKYCY1AB105KY | J | 1 10V Ceramic | AB |
| C824 | VCCCCY1HH180JY | J | 18p 50V Ceramic | AA |
| C825 | VCKYCY1HB103KY | J | 0.01 50V Ceramic | AA |
| C826 | VCCCCY1HH221JY | J | 220p 50V Ceramic | AA |
| C827 | VCCCCY1HH221JY | J | 220p 50V Ceramic | AA |
| C828 | VCCCCY1HH180JY | J | 18p 50V Ceramic | AA |
| C829 | VCCCCY1HH221JY | J | 220p 50V Ceramic | AA |

| Ref. No. | Part No. | ★ | Description | Code | Ref. No. | Part No. | ★ | Description | Code |
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| DUNTKB980FE06 | | | | | | | | | |
| MAIN Unit (Continued) | | | | | | | | | |
| C830 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C1116 | VCKYTV1CB105KY | J 1 | 16V Ceramic | AC |
| C831 | VCCCCY1HH221JY | J 220p | 50V Ceramic | AA | C1117 | VCKYTV1CB105KY | J 1 | 16V Ceramic | AC |
| C832 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C1118 | VCKYTV1EB104KY | J 0.1 | 25V Ceramic | AB |
| C833 | RC-EZA124WJZZY | J 10 | 16V Electrolytic | AB | C1119 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC |
| C834 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C1122 | RC-EZ1339CEZZY | J 220 | 16V Electrolytic | AD |
| C835 | VCCCCY1HH180JY | J 18p | 50V Ceramic | AA | C1201 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C836 | VCCCCY1HH221JY | J 220p | 50V Ceramic | AA | C1202 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C837 | VCKYCY1AB105KY | J 1 | 10V Ceramic | AB | C1203 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C838 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1204 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C839 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C1205 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C840 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C1206 | VCCCCY1HH180JY | J 18p | 50V Ceramic | AA |
| C841 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1207 | VCCCCY1HH180JY | J 18p | 50V Ceramic | AA |
| C842 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1208 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C843 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1209 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C844 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C1210 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C845 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C1211 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C846 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1212 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C848 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1213 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C849 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1214 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C850 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1215 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C851 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1216 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C852 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1217 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C853 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1218 | VCKYCY1CF474ZY | J 0.47 | 16V Ceramic | AB |
| C854 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1219 | VCKYCY1CF474ZY | J 0.47 | 16V Ceramic | AB |
| C855 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1220 | VCKYCY1CF474ZY | J 0.47 | 16V Ceramic | AB |
| C856 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1221 | VCKYCY1CF474ZY | J 0.47 | 16V Ceramic | AB |
| C857 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1222 | VCKYCY1CF474ZY | J 0.47 | 16V Ceramic | AB |
| C858 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1223 | VCKYCY1CF474ZY | J 0.47 | 16V Ceramic | AB |
| C859 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1224 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C860 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C1225 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C861 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1226 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C864 | RC-EZA124WJZZY | J 10 | 16V Electrolytic | AB | C1227 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C866 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1228 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C869 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1229 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C870 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1230 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C874 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1231 | RC-EZA123WJZZY | J 100 | 6.3V Electrolytic | AC |
| C875 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1232 | RC-EZA123WJZZY | J 100 | 6.3V Electrolytic | AC |
| C876 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C1233 | RC-EZA123WJZZY | J 100 | 6.3V Electrolytic | AC |
| C877 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1234 | RC-EZA123WJZZY | J 100 | 6.3V Electrolytic | AC |
| C878 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1235 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C879 | VCCCCY1EH102JY | J 1000p | 25V Ceramic | AB | C1236 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C880 | VCCCCY1EH102JY | J 1000p | 25V Ceramic | AB | C1237 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C881 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1238 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C882 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1243 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C883 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1244 | VCCCCY1HH220JY | J 22p | 50V Ceramic | AA |
| C884 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1245 | VCCCCY1HH820JY | J 82p | 50V Ceramic | AA |
| C885 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1246 | VCCCCY1HH820JY | J 82p | 50V Ceramic | AA |
| C886 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C1247 | VCCCCY1HH820JY | J 82p | 50V Ceramic | AA |
| C887 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C2002 | VCKYTV1CF105ZY | J 1 | 16V Ceramic | AB |
| C890 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C2003 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C893 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C2004 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C897 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C2005 | VCKYCY1AB105KY | J 1 | 10V Ceramic | AB |
| C898 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C2006 | RC-EZA122WJZZY | J 22 | 6.3V Electrolytic | AB |
| C899 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C2007 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C900 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C2008 | VCKYCY1HB103KY | J 0.01 | 50V Ceramic | AA |
| C901 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C2009 | RC-KZ0074TAZZY | J 10 | 6.3V Ceramic | AF |
| C902 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C2011 | VCKYCY1EB104KY | J 0.1 | 25V Ceramic | AB |
| C1101 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C2012 | VCKYCY1HB561KY | J 560p | 50V Ceramic | AA |
| C1102 | RC-EZ1339CEZZY | J 220 | 16V Electrolytic | AD | C2013 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C1104 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C2014 | VCKYCY1HB102KY | J 1000p | 50V Ceramic | AA |
| C1105 | VCCCCY1HH181JY | J 180p | 50V Ceramic | AA | C2015 | VCCCCY1HH221JY | J 220p | 50V Ceramic | AA |
| C1106 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C2016 | VCKYCY1AB105KY | J 1 | 10V Ceramic | AB |
| C1107 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C2017 | VCKYTV1CF684ZY | J 0.68 | 16V Ceramic | AB |
| C1108 | VCCCCY1HH560JY | J 56p | 50V Ceramic | AB | C2018 | VCCCCY1HH5R0CY | J 5p | 50V Ceramic | AA |
| C1109 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC | C2019 | RC-EZA124WJZZY | J 10 | 16V Electrolytic | AB |
| C1110 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C2020 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C1111 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA | C2021 | VCCCCY1HH180JY | J 18p | 50V Ceramic | AA |
| C1112 | VCKYCY1HB103KY | J 0.01 | 50V Ceramic | AA | C2022 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C1113 | VCKYCY1HB103KY | J 0.01 | 50V Ceramic | AA | C2025 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C1114 | VCCCCY1HH560JY | J 56p | 50V Ceramic | AB | C2026 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C1115 | VCKYTV1CB334KY | J 0.33 | 16V Ceramic | AC | C2028 | VCKYCY1HB222KY | J 2200p | 50V Ceramic | AA |
| | | | | | C2029 | VCKYCY1HB222KY | J 2200p | 50V Ceramic | AA |
| | | | | | C2030 | VCKYCY1HB102KY | J 1000p | 50V Ceramic | AA |
| | | | | | C8203 | VCCCCY1HH100DY | J 10p | 50V Ceramic | AA |
| | | | | | C8206 | VCCCCY1HH120JY | J 12p | 50V Ceramic | AA |

| Ref. No. | Part No. | ★ | Description | Code |
|------------------------------|----------------|---------|-------------|------|
| DUNTKB980FE06 | | | | |
| MAIN Unit (Continued) | | | | |
| C8207 | VCCCCY1HH180JY | J 18p | 50V Ceramic | AA |
| C8208 | VCCCCY1HH180JY | J 18p | 50V Ceramic | AA |
| C8209 | VCCCCY1HH270JY | J 27p | 50V Ceramic | AA |
| C8215 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC |
| C8216 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8217 | VCKYTV1CF105ZY | J 1 | 16V Ceramic | AB |
| C8218 | VCCCCY1HH101JY | J 100p | 50V Ceramic | AA |
| C8219 | VCCCCY1HH471JY | J 470p | 50V Ceramic | AA |
| C8220 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8221 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8222 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8223 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC |
| C8224 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8225 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8226 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8227 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8228 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8229 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8230 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC |
| C8231 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC |
| C8232 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8233 | VCKYCY1HB103KY | J 0.01 | 50V Ceramic | AA |
| C8234 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8235 | VCKYCY1EF473ZY | J 0.047 | 25V Ceramic | AA |
| C8236 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8237 | VCKYCY1HB821KY | J 820p | 50V Ceramic | AA |
| C8238 | VCCCCY1HH561JY | J 560p | 50V Ceramic | AB |
| C8239 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8240 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8241 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8243 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC |
| C8244 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8245 | RC-KZA041WJZZY | J 10 | 10V Ceramic | AC |
| C8246 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8247 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8248 | VCCCCY1HH180JY | J 18p | 50V Ceramic | AA |
| C8249 | VCCCCY1HH220JY | J 22p | 50V Ceramic | AA |

RESISTORS

| | | | | |
|------|----------------|--------|-------------------|----|
| R701 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R703 | VRS-TW2HF4R7JY | J 4.7 | 1/2W Metal Oxide | AA |
| R704 | VRS-CY1JF682JY | J 6.8k | 1/16W Metal Oxide | AA |
| R705 | VRS-CY1JF562JY | J 5.6k | 1/16W Metal Oxide | AA |
| R706 | VRS-CY1JF1R0JY | J 1 | 1/16W Metal Oxide | AA |
| R707 | VRS-TW2HF000JY | J 0 | 1/2W Metal Oxide | AA |
| R708 | VRS-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA |
| R709 | VRS-CY1JF272JY | J 2.7k | 1/16W Metal Oxide | AA |
| R710 | VRS-CY1JF272JY | J 2.7k | 1/16W Metal Oxide | AA |
| R711 | VRS-TW2ED103JY | J 10k | 1/4W Metal Oxide | AA |
| R712 | VRS-CY1JF680FY | J 68 | 1/16W Metal Oxide | AA |
| R713 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R714 | VRS-CY1JF151FY | J 150 | 1/16W Metal Oxide | AA |
| R715 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R716 | VRS-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA |
| R717 | VRS-CY1JF272JY | J 2.7k | 1/16W Metal Oxide | AA |
| R718 | VRS-TW2HF330JY | J 33 | 1/2W Metal Oxide | AA |
| R721 | VRS-TV1JD562JY | J 5.6k | 1/10W Metal Oxide | AA |
| R723 | VRS-TW2ED150JY | J 15 | 1/4W Metal Oxide | AA |
| R724 | VRS-TW2HF472JY | J 4.7k | 1/2W Metal Oxide | AA |
| R730 | VRS-TW2HF5R6JY | J 5.6 | 1/2W Metal Oxide | AA |
| R731 | VRS-TW2HF5R6JY | J 5.6 | 1/2W Metal Oxide | AA |
| R732 | VRS-TW2HF5R6JY | J 5.6 | 1/2W Metal Oxide | AA |
| R734 | VRS-TW2HF6R8JY | J 6.8 | 1/2W Metal Oxide | AA |
| R806 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R809 | VRS-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA |
| R810 | VRS-CY1JF105JY | J 1M | 1/16W Metal Oxide | AA |
| R811 | VRS-CY1JF105JY | J 1M | 1/16W Metal Oxide | AA |
| R812 | VRS-CY1JF105JY | J 1M | 1/16W Metal Oxide | AA |
| R813 | VRS-CY1JF105JY | J 1M | 1/16W Metal Oxide | AA |
| R815 | VRS-CY1JF474JY | J 470k | 1/16W Metal Oxide | AA |
| R816 | VRS-CY1JF105JY | J 1M | 1/16W Metal Oxide | AA |

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------------|--------|-------------------|------|
| R817 | VRS-CY1JF105JY | J 1M | 1/16W Metal Oxide | AA |
| R818 | VRS-CY1JF104JY | J 100k | 1/16W Metal Oxide | AA |
| R819 | VRS-CY1JF333JY | J 33k | 1/16W Metal Oxide | AA |
| R821 | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA |
| R823 | VRS-CY1JF152JY | J 1.5k | 1/16W Metal Oxide | AA |
| R825 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R826 | VRS-CY1JF152JY | J 1.5k | 1/16W Metal Oxide | AA |
| R829 | VRS-CY1JF222JY | J 2.2k | 1/16W Metal Oxide | AA |
| R830 | VRS-TQ2BD750JY | J 75 | 1/8W Metal Oxide | AA |
| R832 | VRS-TQ2BD750JY | J 75 | 1/8W Metal Oxide | AA |
| R833 | VRS-TQ2BD681JY | J 680 | 1/8W Metal Oxide | AA |
| R834 | VRS-TQ2BD750JY | J 75 | 1/8W Metal Oxide | AA |
| R835 | VRS-TQ2BD681JY | J 680 | 1/8W Metal Oxide | AA |
| R837 | VRS-TQ2BD681JY | J 680 | 1/8W Metal Oxide | AA |
| R842 | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA |
| R845 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R847 | VRS-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA |
| R848 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R849 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R850 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R851 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R852 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R853 | VRS-CY1JF105JY | J 1M | 1/16W Metal Oxide | AA |
| R854 | VRS-CY1JF330JY | J 33 | 1/16W Metal Oxide | AA |
| R855 | VRS-CB1JF330JY | J 33 | 1/16W Metal Oxide | AC |
| R856 | VRS-CB1JF330JY | J 33 | 1/16W Metal Oxide | AC |
| R860 | VRS-CY1JF330JY | J 33 | 1/16W Metal Oxide | AA |
| R861 | VRS-CY1JF330JY | J 33 | 1/16W Metal Oxide | AA |
| R862 | VRS-CY1JF330JY | J 33 | 1/16W Metal Oxide | AA |
| R867 | VRS-CY1JF151JY | J 150 | 1/16W Metal Oxide | AA |
| R868 | VRS-CY1JF104JY | J 100k | 1/16W Metal Oxide | AA |
| R869 | VRS-CY1JF104JY | J 100k | 1/16W Metal Oxide | AA |
| R873 | VRS-CY1JF331JY | J 330 | 1/16W Metal Oxide | AA |
| R1101 | VRS-CY1JF273FY | J 27k | 1/16W Metal Oxide | AA |
| R1102 | VRS-CY1JF472FY | J 4.7k | 1/16W Metal Oxide | AA |
| R1103 | VRS-CY1JF472FY | J 4.7k | 1/16W Metal Oxide | AA |
| R1104 | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA |
| R1105 | VRS-CY1JF391JY | J 390 | 1/16W Metal Oxide | AA |
| R1106 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R1107 | VRS-CY1JF391JY | J 390 | 1/16W Metal Oxide | AA |
| R1108 | VRS-TW2ED102JY | J 1k | 1/4W Metal Oxide | AA |
| R1109 | VRS-TW2ED5R6JY | J 5.6 | 1/4W Metal Oxide | AA |
| R1110 | VRS-TW2ED8R2JY | J 8.2 | 1/4W Metal Oxide | AA |
| R1111 | VRS-CY1JF103FY | J 10k | 1/16W Metal Oxide | AA |
| R1112 | VRS-CY1JF181JY | J 180 | 1/16W Metal Oxide | AA |
| R1113 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R1114 | VRS-CY1JF181JY | J 180 | 1/16W Metal Oxide | AA |
| R1115 | VRS-TW2HF100JY | J 10 | 1/2W Metal Oxide | AA |
| R1117 | VRS-TW2HF5R6JY | J 5.6 | 1/2W Metal Oxide | AA |
| R1118 | VRS-TW2HF5R6JY | J 5.6 | 1/2W Metal Oxide | AA |
| R1119 | VRS-CY1JF473JY | J 47k | 1/16W Metal Oxide | AA |
| R1121 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R1122 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R1123 | VRS-TW2HF000JY | J 0 | 1/2W Metal Oxide | AA |
| R1124 | VRS-TW2HF101JY | J 100 | 1/2W Metal Oxide | AA |
| R1126 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R1128 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R1201 | VRS-CY1JF391JY | J 390 | 1/16W Metal Oxide | AA |
| R1202 | VRS-CY1JF391JY | J 390 | 1/16W Metal Oxide | AA |
| R1203 | VRS-CY1JF391JY | J 390 | 1/16W Metal Oxide | AA |
| R1206 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1207 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R1208 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1209 | VRS-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1210 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1213 | VRS-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1214 | VRS-CB1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1215 | VRS-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1216 | VRS-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1217 | VRS-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1218 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R1219 | VRS-CY1JF105JY | J 1M | 1/16W Metal Oxide | AA |
| R1220 | VRS-CY1JF471JY | J 470 | 1/16W Metal Oxide | AA |
| R1221 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1222 | VRS-CY1JF680JY | J 68 | 1/16W Metal Oxide | AA |

| Ref. No. | Part No. | ★ | Description | Code | Ref. No. | Part No. | ★ | Description | Code |
|------------------------------|----------------|--------|-------------------|------|----------------------------|----------------|--------|-------------------|------|
| DUNTKB980FE06 | | | | | | | | | |
| MAIN Unit (Continued) | | | | | | | | | |
| R1223 | VRs-CY1JF220JY | J 22 | 1/16W Metal Oxide | AA | R2071 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1224 | VRs-CH1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2072 | VRs-CA1JF103JY | J 10k | 1/16W Metal Oxide | AA |
| R1227 | VRs-CH1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2075 | VRs-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1228 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2077 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1229 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2078 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1230 | VRs-CY1JF223JY | J 22k | 1/16W Metal Oxide | AA | R2079 | VRs-CY1JF223JY | J 22k | 1/16W Metal Oxide | AA |
| R1231 | VRs-CH1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2080 | VRs-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA |
| R1232 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2083 | VRs-CY1JF223JY | J 22k | 1/16W Metal Oxide | AA |
| R1233 | VRs-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2084 | VRs-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1234 | VRs-CA1JF470JY | J 47 | 1/16W Metal Oxide | AB | R2086 | VRs-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R1235 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2088 | VRs-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA |
| R1236 | VRs-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA | R2089 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1237 | VRs-CY1JF220JY | J 22 | 1/16W Metal Oxide | AA | R2090 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1238 | VRs-CY1JF221JY | J 220 | 1/16W Metal Oxide | AA | R2091 | VRs-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA |
| R1239 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2092 | VRs-CA1JF153JY | J 15k | 1/16W Metal Oxide | AB |
| R1240 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2093 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1241 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2095 | VRs-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1242 | VRs-CY1JF182JY | J 1.8k | 1/16W Metal Oxide | AA | R2096 | VRs-CB1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1248 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2097 | VRs-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1257 | VRs-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA | R2099 | VRs-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA |
| R1261 | VRs-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA | R2101 | VRs-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA |
| R1264 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2102 | VRs-CB1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1267 | VRs-CH1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2108 | VRs-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA |
| R1268 | VRs-CH1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2110 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1269 | VRs-CH1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2111 | VRs-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA |
| R2002 | VRs-CY1JF123FY | J 12k | 1/16W Metal Oxide | AA | R2113 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R2003 | VRs-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA | R2114 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R2005 | VRs-CY1JF233FY | J 27k | 1/16W Metal Oxide | AA | R2115 | VRs-CA1JF103JY | J 10k | 1/16W Metal Oxide | AA |
| R2008 | VRs-CY1JF223JY | J 22k | 1/16W Metal Oxide | AA | R2118 | VRs-CA1JF103JY | J 10k | 1/16W Metal Oxide | AA |
| R2009 | VRs-CY1JF1R0JY | J 1 | 1/16W Metal Oxide | AA | R2119 | VRs-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R2010 | VRs-CY1JF223JY | J 22k | 1/16W Metal Oxide | AA | R2121 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R2011 | VRs-CY1JF393JY | J 39k | 1/16W Metal Oxide | AA | R2122 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R2014 | VRs-CY1JF333JY | J 33k | 1/16W Metal Oxide | AA | R2123 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R2015 | VRs-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA | R2124 | VRs-CY1JF433FY | J 43k | 1/16W Metal Oxide | AA |
| R2021 | VRs-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA | R2125 | VRs-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R2022 | VRs-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA | R2126 | VRs-CY1JF103FY | J 10k | 1/16W Metal Oxide | AA |
| R2023 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2128 | VRs-CY1JF105JY | J 1M | 1/16W Metal Oxide | AA |
| R2024 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R2129 | VRs-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA |
| R2025 | VRs-CA1JF102JY | J 1k | 1/16W Metal Oxide | AA | R2130 | VRs-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R2026 | VRs-CA1JF123JY | J 22k | 1/16W Metal Oxide | AA | R2132 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R2027 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R8201 | VRs-CY1JF391JY | J 390 | 1/16W Metal Oxide | AA |
| R2030 | VRs-CY1JF394FY | J 390k | 1/16W Metal Oxide | AA | R8202 | VRs-CY1JF182JY | J 1.8k | 1/16W Metal Oxide | AA |
| R2031 | VRs-CY1JF563FY | J 56k | 1/16W Metal Oxide | AA | R8203 | VRs-CY1JF152JY | J 1.5k | 1/16W Metal Oxide | AA |
| R2032 | VRs-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA | R8204 | VRs-CY1JF152JY | J 1.5k | 1/16W Metal Oxide | AA |
| R2034 | VRs-CY1JF223JY | J 22k | 1/16W Metal Oxide | AA | R8205 | VRs-CY1JF152JY | J 1.5k | 1/16W Metal Oxide | AA |
| R2035 | VRs-CY1JF103FY | J 10k | 1/16W Metal Oxide | AA | R8207 | VRs-CY1JF152JY | J 1.5k | 1/16W Metal Oxide | AA |
| R2038 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R8209 | VRs-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R2039 | VRs-CY1JF823JY | J 82k | 1/16W Metal Oxide | AA | R8212 | VRs-CY1JF911JY | J 910 | 1/16W Metal Oxide | AB |
| R2040 | VRs-CY1JF105JY | J 1M | 1/16W Metal Oxide | AA | R8213 | VRs-TW2ED000JY | J 0 | 1/4W Metal Oxide | AB |
| R2041 | VRs-CA1JF223JY | J 22k | 1/16W Metal Oxide | AA | R8214 | VRs-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R2043 | VRs-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA | R8215 | VRs-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R2044 | VRs-CY1JF471JY | J 470 | 1/16W Metal Oxide | AA | R8216 | VRs-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R2046 | VRs-CY1JF512JY | J 5.1k | 1/16W Metal Oxide | AA | R8217 | VRs-CY1JF152JY | J 1.5k | 1/16W Metal Oxide | AA |
| R2047 | VRs-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA | R8218 | VRs-CY1JF152JY | J 1.5k | 1/16W Metal Oxide | AA |
| R2048 | VRs-CA1JF103JY | J 10k | 1/16W Metal Oxide | AA | R8219 | VRs-CY1JF561JY | J 560 | 1/16W Metal Oxide | AA |
| R2052 | VRs-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA | R8220 | VRs-CY1JF561JY | J 560 | 1/16W Metal Oxide | AA |
| R2053 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R8221 | VRs-CY1JF221JY | J 220 | 1/16W Metal Oxide | AA |
| R2054 | VRs-CY1JF153JY | J 15k | 1/16W Metal Oxide | AA | R8222 | VRs-CY1JF224JY | J 220k | 1/16W Metal Oxide | AA |
| R2055 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R8223 | VRs-CY1JF223JY | J 22k | 1/16W Metal Oxide | AA |
| R2056 | VRs-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA | R8224 | VRs-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R2059 | VRs-CY1JF223JY | J 22k | 1/16W Metal Oxide | AA | R8225 | VRs-CY1JF222JY | J 2.2k | 1/16W Metal Oxide | AA |
| R2061 | VRs-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA | R8226 | VRs-CY1JF471JY | J 470 | 1/16W Metal Oxide | AA |
| R2062 | VRs-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA | R8227 | VRs-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA |
| R2063 | VRs-CB1JF101JY | J 100 | 1/16W Metal Oxide | AA | R8228 | VRs-CY1JF182JY | J 1.8k | 1/16W Metal Oxide | AA |
| R2064 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R8229 | VRs-CY1JF182JY | J 1.8k | 1/16W Metal Oxide | AA |
| R2065 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | R8230 | VRs-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R2066 | VRs-CY1JF223JY | J 22k | 1/16W Metal Oxide | AA | R8231 | VRs-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R2067 | VRs-CY1JF512JY | J 5.1k | 1/16W Metal Oxide | AA | R8232 | VRs-CY1JF361JY | J 360 | 1/16W Metal Oxide | AA |
| R2068 | VRs-CY1JF106JY | J 10M | 1/16W Metal Oxide | AA | R8233 | VRs-CY1JF471JY | J 470 | 1/16W Metal Oxide | AA |
| R2069 | VRs-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA | MISCELLANEOUS PARTS | | | | |
| R2070 | VRs-CY1JF394JY | J 390k | 1/16W Metal Oxide | AA | FB701 | RBLN-0006TAZZY | J | Ferrite Bead | AB |
| | | | | | FB702 | RBLN-0006TAZZY | J | Ferrite Bead | AB |
| | | | | | FB1201 | RBLN-0083GEZZY | J | Ferrite Bead | AB |
| | | | | | FB8201 | RBLN-0059CEZZY | J | Ferrite Bead | AB |

| Ref. No. | Part No. | ★ | Description | Code |
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| DUNTKB980FE06 | | | | |
| MAIN Unit (Continued) | | | | |

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| FB8202 | RBLN-0059CEZZY | J | Ferrite Bead | AB |
| FB8203 | RBLN-0061TAZZY | J | Ferrite Bead | AD |
| FB8204 | RBLN-0061TAZZY | J | Ferrite Bead | AD |
| FB8206 | RBLN-0061TAZZY | J | Ferrite Bead | AD |
| FB8210 | RBLN-0059CEZZY | J | Ferrite Bead | AB |
| FB8211 | RBLN-0059CEZZY | J | Ferrite Bead | AB |
| P701 | QPLGN0185FJZZY | J | Plug, 13-pin(MB) | AE |
| P1201 | QPLGN0178FJZZY | J | Plug, 6-pin(MC) | AD |
| P2001 | QPLGN0963TAZZY | J | Plug, 9-pin(MS) | AD |
| SC1202 | QSOCNA002WJPZY | J | Socket, 20-pin(LK) | AD |
| SC1203 | QSOCN0687FJZZY | J | Socket, 50-pin(LS) | AF |
| SC1204 | QSOCN0684FJZZY | J | Socket, 30-pin(LG) | AF |
| SC2001 | QSOCN0464FJZZY | J | Socket, 50-pin(MA) | AH |
| TP2002 | QLUGHA001WJZZY | J | Lug | AD |
| TP2052 | QLUGHA001WJZZY | J | Lug | AD |
| TP2053 | QLUGHA001WJZZY | J | Lug | AD |

| Ref. No. | Part No. | ★ | Description | Code |
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| DUNTKB981FE03 | | | | |
| SUB Unit | | | | |

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| TUNER | | | | |
| <i>NOTE: THE PARTS HERES SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.</i> | | | | |
| TU3201 | VTUVT2U5UF559 | J | Tuner | BB |

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| INTEGRATED CIRCUITS | | | | |
| IC304 | VHiBH3543F+-1Y | J | BH3543F-E2 | AE |
| IC3301 | RH-iX3370CEN1Q | J | MSP3440G-QA-B8 | AY |
| IC3302 | VHiBA4560F+-1Y | J | BA4560F-E2 | AD |
| IC3303 | VHiBA4560F+-1Y | J | BA4560F-E2 | AD |
| IC3304 | VHiBA4560F+-1Y | J | BA4560F-E2 | AD |
| IC3305 | VHiLA4635A+-1S | J | LA4635A | AM |
| IC3401 | VHiNJM2283F-1Y | J | NJM2283M | AF |
| IC3402 | VHiNJM2235V-1Y | J | NJM2235V | AE |
| IC3501 | VHiTC4053BF1EY | J | TC4053BF | AF |
| IC3701 | VHiNJM2377M-1Y | J | NJM2377M | AK |
| IC3702 | VHiNJM2147M-1Y | J | NJM2147M-TE1 | AF |

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| TRANSISTORS | | | | |
| Q302 | VS DTC144EKA-1Y | J | DTC144EKA | AB |
| Q3201 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q3202 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q3211 | VSIMZ1A////-1Y | J | IMZ1A | AC |
| Q3212 | VSIMZ1A////-1Y | J | IMZ1A | AC |
| Q3304 | VS DTC314TK/-1Y | J | DTC314TK | AC |
| Q3305 | VS DTC314TK/-1Y | J | DTC314TK | AC |
| Q3501 | VSUMG4N++++-1Y | J | UMG4N | AB |
| Q3502 | VSFDC6305N+-1Y | J | FDC6305N | AD |
| Q3503 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q3504 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q3505 | VS DTC114EE/-1Y | J | DTC114EE | AB |
| Q3510 | VS DTC314TK/-1Y | J | DTC314TK | AC |
| Q3511 | VS DTC314TK/-1Y | J | DTC314TK | AC |
| Q3512 | VS2SA1037KQ-1Y | J | 2SA1037KQ | AA |
| Q3513 | VS2SC2712Y/-1Y | J | 2SC2712Y | AB |
| Q3701 | VS DTC144EE/-1Y | J | DTC144EE | AA |
| Q3702 | VSFMMT718//-1Y | J | FMMT718 | AE |
| Q3703 | VSFMMT718//-1Y | J | FMMT718 | AE |
| Q3704 | VS2SK2503//-1Y | J | 2SK2503 | AE |
| Q3705 | VS DTC144EE/-1Y | J | DTC144EE | AA |
| Q3708 | VS DTC114YE/-1Y | J | DTC114YE | AB |
| Q3709 | VS DTC114YE/-1Y | J | DTC114YE | AB |
| Q3711 | VSFMMT619//-1Y | J | FMMT619 | AE |
| Q3712 | VS2SC3928AR-1Y | J | 2SC3928AR | AB |
| Q3713 | VSIMZ1A////-1Y | J | IMZ1A | AC |
| Q3714 | VSIMZ1A////-1Y | J | IMZ1A | AC |
| Q8451 | VS2SC4617//-1Y | J | 2SC4617 | AB |
| Q8452 | VS2SC4617//-1Y | J | 2SC4617 | AB |
| Q8453 | VS2SC4617//-1Y | J | 2SC4617 | AB |
| Q8454 | VS2SC4617//-1Y | J | 2SC4617 | AB |
| Q8455 | VS2SC4617//-1Y | J | 2SC4617 | AB |
| Q8456 | VS2SC4617//-1Y | J | 2SC4617 | AB |

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| DIODES | | | | |
| D301 | VH DMA3120WA-1Y | J | Diode | AD |
| D302 | VH DMA3120WA-1Y | J | Diode | AD |
| D303 | VH DDAN222//-1Y | J | Diode | AA |
| D3302 | VH DDAN222//-1Y | J | Diode | AA |
| D3304 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB |
| D3305 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB |
| D3401 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB |
| D3402 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB |
| D3403 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB |
| D3404 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB |
| D3405 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB |
| D3501 | VH DDAN222//-1Y | J | Diode | AA |
| D3502 | RH-EX1396CEZZY | J | Zener Diode, 6.8V | AB |
| D3706 | VH DSFPB56//2EY | J | Diode | AC |
| D3708 | VH DSFPB74//2EY | J | Diode | AD |
| D3709 | VH DSFPB74//2EY | J | Diode | AD |
| D3710 | VH DDAN222//-1Y | J | Diode | AA |

| Ref. No. | Part No. | ★ | Description | Code | Ref. No. | Part No. | ★ | Description | Code |
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| DUNTKB981FE03 | | | | | | | | | |
| SUB Unit (Continued) | | | | | | | | | |
| D3711 | VHD1SS250//1EY | J | Diode | AB | C3323 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| D3717 | VHDDAN222//1Y | J | Diode | AA | C3324 | RC-EZA129WJZZY | J | 2.2 50V Electrolytic | AB |
| D3718 | VHDB491D++1Y | J | Diode | AD | C3325 | RC-EZA129WJZZY | J | 2.2 50V Electrolytic | AB |
| D3719 | RH-EX1283CEZZY | J | Zener Diode, 18V | AB | C3328 | RC-EZA129WJZZY | J | 2.2 50V Electrolytic | AB |
| D3720 | RH-EX1283CEZZY | J | Zener Diode, 18V | AB | C3329 | RC-EZA129WJZZY | J | 2.2 50V Electrolytic | AB |
| D4050 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB | C3330 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| D4051 | RH-EX1283CEZZY | J | Zener Diode, 18V | AB | C3332 | RC-EZ0417CEZZY | J | 150 16V Electrolytic | AD |
| D4052 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB | C3333 | RC-EZ0417CEZZY | J | 150 16V Electrolytic | AD |
| PACKAGED CIRCUITS | | | | | C3334 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| X3301 | RCRSB0307CEZZ | J | Crystal, 18.432MHz | AG | C3335 | VCKYCY1HB222KY | J | 2200p 50V Ceramic | AA |
| COILS | | | | | C3336 | VCKYCY1HB222KY | J | 2200p 50V Ceramic | AA |
| L3201 | VP-1M220J2R9NY | J | Peaking 22μH | AB | C3337 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| L3202 | RCiLPA142WJZZ | J | Coil | AD | C3338 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| L3301 | VP-1M101J7R7NY | J | Peaking 100μH | AC | C3339 | RC-EZA130WJZZY | J | 3.3 50V Electrolytic | AB |
| L3302 | PCGM4R7MR13NY | J | Peaking 4.7μH | AB | C3340 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| L3500 | VP-1M101J7R7NY | J | Peaking 100μH | AC | C3341 | VCKYCY1HB102KY | J | 1000p 50V Ceramic | AA |
| L3701 | RCiLPA026WJZZ | J | Coil | AD | C3342 | VCKYCY1HB102KY | J | 1000p 50V Ceramic | AA |
| L3702 | RCiLPA144WJZZY | J | Coil | AD | C3343 | VCKYCY1HB102KY | J | 1000p 50V Ceramic | AA |
| L3703 | RCiLPA143WJZZY | J | Coil | AD | C3344 | VCKYCY1HB102KY | J | 1000p 50V Ceramic | AA |
| L3704 | RCiLPA026WJZZ | J | Coil | AD | C3345 | VCKYCY1HB102KY | J | 1000p 50V Ceramic | AA |
| L8401 | RCiLPA143WJZZY | J | Coil | AD | C3346 | VCKYCY1HB102KY | J | 1000p 50V Ceramic | AA |
| L8402 | RCiLPA089WJZZY | J | Coil | AE | C3347 | VCKYCY1HB223KY | J | 0.022 50V Ceramic | AA |
| TRANSFORMER | | | | | C3348 | VCKYCY1HB223KY | J | 0.022 50V Ceramic | AA |
| △ T3701 | RTRNWA090WJZZY | J | Transformer | AH | C3349 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| CONTROL | | | | | C3350 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| R3710 | RVR-M0111CEZZY | J | 1k(B) +B Adj. | AC | C3351 | RC-KZ1025CEZZY | J | 1 10V Ceramic | AB |
| CAPACITORS | | | | | C3352 | RC-EZ0417CEZZY | J | 150 16V Electrolytic | AD |
| C334 | VCKYTV1CF105ZY | J | 1 16V Ceramic | AB | C3354 | VCCCCY1HH560JY | J | 56p 50V Ceramic | AB |
| C335 | VCKYCY1HB682KY | J | 6800p 50V Ceramic | AA | C3355 | VCCCCY1HH560JY | J | 56p 50V Ceramic | AB |
| C336 | VCKYCY1HB682KY | J | 6800p 50V Ceramic | AA | C3356 | VCCCCY1HH560JY | J | 56p 50V Ceramic | AB |
| C338 | VCKYTV1CF105ZY | J | 1 16V Ceramic | AB | C3357 | VCCCCY1HH5R0CY | J | 5p 50V Ceramic | AA |
| C339 | RC-EZA135WJZZY | J | 47 6.3V Electrolytic | AC | C3358 | VCCCCY1HH5R0CY | J | 5p 50V Ceramic | AA |
| C340 | RC-KZ1025CEZZY | J | 1 10V Ceramic | AB | C3359 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C341 | RC-EZA134WJZZY | J | 220 6.3V Electrolytic | AC | C3360 | VCEAPF1CN107MY | J | 100 16V Electrolytic | AD |
| C342 | RC-EZA134WJZZY | J | 220 6.3V Electrolytic | AC | C3361 | RC-EZA128WJZZY | J | 1 50V Electrolytic | AB |
| C343 | RC-KZ0075TAZZY | J | 2.2 16V Ceramic | AC | C3362 | VCKYCY1HB102KY | J | 1000p 50V Ceramic | AA |
| C344 | RC-KZ0044TAZZY | J | 4.7 10V Ceramic | AD | C3363 | RC-EZA129WJZZY | J | 2.2 50V Electrolytic | AB |
| C3024 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA | C3364 | RC-EZA128WJZZY | J | 1 50V Electrolytic | AB |
| C3201 | VCKYCY1HB102KY | J | 1000p 50V Ceramic | AA | C3365 | VCKYCY1HB102KY | J | 1000p 50V Ceramic | AA |
| C3202 | VCCCCY1HH330JY | J | 33p 50V Ceramic | AA | C3366 | RC-EZA129WJZZY | J | 2.2 50V Electrolytic | AB |
| C3203 | VCCCCY1HH330JY | J | 33p 50V Ceramic | AA | C3367 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C3205 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA | C3368 | RC-EZA124WJZZY | J | 10 16V Electrolytic | AB |
| C3206 | VCKYCY1HF103ZY | J | 0.01 50V Ceramic | AA | C3369 | RC-EZ1274CEZZ | J | 1000 16V Electrolytic | AD |
| C3208 | RC-EZA085WJZZ | J | 3300 10V Electrolytic | AE | C3371 | RC-EZ1274CEZZ | J | 1000 16V Electrolytic | AD |
| C3209 | RC-EZA128WJZZY | J | 1 50V Electrolytic | AB | C3372 | RC-EZ1274CEZZ | J | 1000 16V Electrolytic | AD |
| C3210 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA | C3382 | VCKYTV1CF105ZY | J | 1 16V Ceramic | AB |
| C3211 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA | C3389 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C3301 | VCKYCY1HB272KY | J | 2700p 50V Ceramic | AA | C3401 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C3302 | VCKYCY1HB272KY | J | 2700p 50V Ceramic | AA | C3403 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C3303 | VCKYCY1EB153KY | J | 0.015 25V Ceramic | AA | C3404 | VCKYTV1AB105KY | J | 1 10V Ceramic | AC |
| C3304 | VCKYCY1HB272KY | J | 2700p 50V Ceramic | AA | C3405 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C3305 | VCKYCY1HB272KY | J | 2700p 50V Ceramic | AA | C3406 | VCKYTV1AB105KY | J | 1 10V Ceramic | AC |
| C3306 | VCKYCY1EB153KY | J | 0.015 25V Ceramic | AA | C3407 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C3308 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA | C3408 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C3309 | VCKYCY1CB273KY | J | 0.027 16V Ceramic | AB | C3409 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C3310 | VCKYCY1CB273KY | J | 0.027 16V Ceramic | AB | C3410 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C3311 | VCKYCY1CB273KY | J | 0.027 16V Ceramic | AB | C3411 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C3312 | VCKYCY1CB273KY | J | 0.027 16V Ceramic | AB | C3412 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C3313 | VCKYCY1CB273KY | J | 0.027 16V Ceramic | AB | C3420 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C3314 | VCKYCY1CB273KY | J | 0.027 16V Ceramic | AB | C3502 | RC-KZA041WJZZY | J | 10 10V Ceramic | AC |
| C3315 | VCKYCY1CB473KY | J | 0.047 16V Ceramic | AA | C3509 | RC-EZA127WJZZY | J | 100 16V Electrolytic | AC |
| C3316 | VCKYCY1CB473KY | J | 0.047 16V Ceramic | AA | C3510 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C3317 | VCKYCY1CB473KY | J | 0.047 16V Ceramic | AA | C3512 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |
| C3318 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA | C3513 | VCEASH1CN477MY | J | 470 16V Electrolytic | AD |
| C3319 | VCKYCY1CB473KY | J | 0.047 16V Ceramic | AA | C3514 | RC-EZA197WJZZY | J | 33 6.3V Electrolytic | AC |
| C3320 | RC-EZA126WJZZY | J | 47 16V Electrolytic | AC | C3515 | RC-EZA122WJZZY | J | 22 6.3V Electrolytic | AB |
| | | | | | C3516 | RC-KZ1025CEZZY | J | 1 10V Ceramic | AB |
| | | | | | C3520 | RC-EZA140WJZZY | J | 4.7 25V Electrolytic | AB |
| | | | | | C3521 | RC-EZA140WJZZY | J | 4.7 25V Electrolytic | AB |
| | | | | | C3522 | RC-EZA124WJZZY | J | 10 16V Electrolytic | AB |
| | | | | | C3702 | RC-KZ1025CEZZY | J | 1 10V Ceramic | AB |
| | | | | | C3704 | VCKYCY1HB103KY | J | 0.01 50V Ceramic | AA |
| | | | | | C3706 | RC-EZA140WJZZY | J | 4.7 25V Electrolytic | AB |
| | | | | | C3707 | VCEAPT1CN226MY | J | 22 16V Electrolytic | AC |
| | | | | | C3708 | VCKYCY1EF104ZY | J | 0.1 25V Ceramic | AA |

| Ref. No. | Part No. | ★ | Description | Code |
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| DUNTKB981FE03 | | | | |
| SUB Unit (Continued) | | | | |
| C3709 | VCCCCY1HH471JY | J 470p | 50V Ceramic | AA |
| C3710 | VCEASH1CN337MY | J 330 | 16V Electrolytic | AE |
| C3711 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C3712 | VCKYCY1HB562KY | J 5600p | 50V Ceramic | AA |
| C3716 | VCAAPD1CJ396MY | J 39 | 16V Electrolytic | AF |
| C3718 | VCKYCY1HB562KY | J 5600p | 50V Ceramic | AA |
| C3720 | RC-EZ1339CEZZY | J 220 | 16V Electrolytic | AD |
| C3725 | VCCCCY1HH181JY | J 180p | 50V Ceramic | AA |
| C3726 | VCEASH1HN476MY | J 47 | 50V Electrolytic | AD |
| C3727 | VCEASH1CN337MY | J 330 | 16V Electrolytic | AE |
| C3728 | VCAAPD0JJ127MY | J 120 | 6.3V Electrolytic | AF |
| C3729 | VCEASH1CN337MY | J 330 | 16V Electrolytic | AE |
| C3731 | VCKYTV1HF104ZY | J 0.1 | 50V Ceramic | AB |
| C3732 | VCKYTV1CF105ZY | J 1 | 16V Ceramic | AB |
| C3733 | VCKYTV1CF105ZY | J 1 | 16V Ceramic | AB |
| C3734 | VCKYTV1CF105ZY | J 1 | 16V Ceramic | AB |
| C3736 | VCEASH1CN477MY | J 470 | 16V Electrolytic | AD |
| C3737 | RC-EZ1339CEZZY | J 220 | 16V Electrolytic | AD |
| C3738 | VCKYTV1CF105ZY | J 1 | 16V Ceramic | AB |
| C3739 | VCKYTV1HF104ZY | J 0.1 | 50V Ceramic | AB |
| C3740 | VCKYTV1HF104ZY | J 0.1 | 50V Ceramic | AB |
| C3741 | RC-KZ1025CEZZY | J 1 | 10V Ceramic | AB |
| C3742 | RC-KZ1025CEZZY | J 1 | 10V Ceramic | AB |
| C3743 | VCKYCY1HF104ZY | J 0.01 | 50V Ceramic | AA |
| C3744 | RC-KZ0071TAZZY | J 2.2 | 6.3V Ceramic | AD |
| C3745 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C3750 | VCEA0A0JW228M | J 2200 | 6.3V Electrolytic | AD |
| C3756 | RC-KZ1025CEZZY | J 1 | 10V Ceramic | AB |
| C3757 | RC-KZ1025CEZZY | J 1 | 10V Ceramic | AB |
| C3770 | VCKYTV1CF105ZY | J 1 | 16V Ceramic | AB |
| C3771 | RC-EZ1274CEZZ | J 1000 | 16V Electrolytic | AD |
| C8433 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8434 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8451 | VCCCCY1HH330JY | J 33p | 50V Ceramic | AA |
| C8452 | VCCCCY1HH330JY | J 33p | 50V Ceramic | AA |
| C8453 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8454 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8455 | VCCCCY1HH330JY | J 33p | 50V Ceramic | AA |
| C8456 | VCCCCY1HH330JY | J 33p | 50V Ceramic | AA |
| C8457 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8458 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8459 | VCCCCY1HH330JY | J 33p | 50V Ceramic | AA |
| C8460 | VCCCCY1HH330JY | J 33p | 50V Ceramic | AA |
| C8461 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8462 | VCKYCY1EF104ZY | J 0.1 | 25V Ceramic | AA |
| C8464 | RC-EZA123WJZZY | J 100 | 6.3V Electrolytic | AC |
| C8465 | RC-EZA127WJZZY | J 100 | 16V Electrolytic | AC |

RESISTORS

| | | | | |
|-------|----------------|--------|-------------------|----|
| R341 | VRS-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA |
| R342 | VRS-CY1JF103JY | J 10k | 1/16W Metal Oxide | AA |
| R345 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R346 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R350 | VRS-CY1JF392JY | J 3.9k | 1/16W Metal Oxide | AA |
| R351 | VRS-CY1JF392JY | J 3.9k | 1/16W Metal Oxide | AA |
| R353 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R354 | VRS-CY1JF472JY | J 4.7k | 1/16W Metal Oxide | AA |
| R355 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R356 | VRS-TW2ED180JY | J 18 | 1/4W Metal Oxide | AA |
| R357 | VRS-TW2ED180JY | J 18 | 1/4W Metal Oxide | AA |
| R358 | VRS-CY1JF123JY | J 12k | 1/16W Metal Oxide | AA |
| R1907 | VRS-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R1947 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R3201 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R3202 | VRS-CY1JF153JY | J 15k | 1/16W Metal Oxide | AA |
| R3203 | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA |
| R3204 | VRS-CY1JF152JY | J 1.5k | 1/16W Metal Oxide | AA |
| R3205 | VRS-CY1JF331JY | J 330 | 1/16W Metal Oxide | AA |
| R3206 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R3207 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R3208 | VRS-CA1JF102JY | J 1k | 1/16W Metal Oxide | AA |

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------------|--------|-------------------|------|
| R3209 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R3210 | VRS-CY1JF152JY | J 1.5k | 1/16W Metal Oxide | AA |
| R3211 | VRS-CY1JF561FY | J 560 | 1/16W Metal Oxide | AA |
| R3212 | VRS-CY1JF102FY | J 1k | 1/16W Metal Oxide | AA |
| R3213 | VRS-CY1JF152JY | J 1.5k | 1/16W Metal Oxide | AA |
| R3214 | VRS-CY1JF561FY | J 560 | 1/16W Metal Oxide | AA |
| R3215 | VRS-CY1JF102FY | J 1k | 1/16W Metal Oxide | AA |
| R3217 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R3303 | VRS-CY1JF223FY | J 22k | 1/16W Metal Oxide | AA |
| R3304 | VRS-CY1JF223FY | J 22k | 1/16W Metal Oxide | AA |
| R3305 | VRS-CY1JF103FY | J 10k | 1/16W Metal Oxide | AA |
| R3307 | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA |
| R3308 | VRS-CY1JF472FY | J 4.7k | 1/16W Metal Oxide | AA |
| R3311 | VRS-CY1JF223FY | J 22k | 1/16W Metal Oxide | AA |
| R3312 | VRS-CY1JF223FY | J 22k | 1/16W Metal Oxide | AA |
| R3315 | VRS-CY1JF183FY | J 18k | 1/16W Metal Oxide | AA |
| R3316 | VRS-CY1JF182JY | J 1.8k | 1/16W Metal Oxide | AA |
| R3317 | VRS-CY1JF183FY | J 18k | 1/16W Metal Oxide | AA |
| R3318 | VRS-CY1JF182JY | J 1.8k | 1/16W Metal Oxide | AA |
| R3319 | VRS-CY1JF123FY | J 12k | 1/16W Metal Oxide | AA |
| R3320 | VRS-CY1JF123FY | J 12k | 1/16W Metal Oxide | AA |
| R3321 | VRS-CY1JF183FY | J 18k | 1/16W Metal Oxide | AA |
| R3322 | VRS-CY1JF392FY | J 3.9k | 1/16W Metal Oxide | AA |
| R3323 | VRS-CY1JF183FY | J 18k | 1/16W Metal Oxide | AA |
| R3324 | VRS-CY1JF392FY | J 3.9k | 1/16W Metal Oxide | AA |
| R3325 | VRS-CY1JF153FY | J 15k | 1/16W Metal Oxide | AA |
| R3326 | VRS-CY1JF153FY | J 15k | 1/16W Metal Oxide | AA |
| R3327 | VRS-CY1JF683FY | J 68k | 1/16W Metal Oxide | AA |
| R3328 | VRS-CY1JF683FY | J 68k | 1/16W Metal Oxide | AA |
| R3333 | VRS-CY1JF223JY | J 22k | 1/16W Metal Oxide | AA |
| R3334 | VRS-CY1JF223JY | J 22k | 1/16W Metal Oxide | AA |
| R3335 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R3336 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R3337 | VRS-CY1JF104JY | J 100k | 1/16W Metal Oxide | AA |
| R3338 | VRS-CY1JF104JY | J 100k | 1/16W Metal Oxide | AA |
| R3341 | VRS-CY1JF561JY | J 560 | 1/16W Metal Oxide | AA |
| R3342 | VRS-CY1JF561JY | J 560 | 1/16W Metal Oxide | AA |
| R3343 | VRS-CY1JF103FY | J 10k | 1/16W Metal Oxide | AA |
| R3344 | VRS-CY1JF104JY | J 100k | 1/16W Metal Oxide | AA |
| R3345 | VRS-CY1JF104JY | J 100k | 1/16W Metal Oxide | AA |
| R3346 | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA |
| R3347 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R3348 | VRS-CY1JF104JY | J 100k | 1/16W Metal Oxide | AA |
| R3350 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R3351 | VRS-CY1JF104JY | J 100k | 1/16W Metal Oxide | AA |
| R3354 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R3357 | VRS-CY1JF105JY | J 1M | 1/16W Metal Oxide | AA |
| R3358 | VRS-CY1JF562JY | J 5.6k | 1/16W Metal Oxide | AA |
| R3359 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R3360 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R3361 | VRS-CY1JF102JY | J 1k | 1/16W Metal Oxide | AA |
| R3362 | VRS-CY1JF272JY | J 2.7k | 1/16W Metal Oxide | AA |
| R3363 | VRS-CY1JF272JY | J 2.7k | 1/16W Metal Oxide | AA |
| R3364 | VRS-CY1JF122JY | J 1.2k | 1/16W Metal Oxide | AA |
| R3365 | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA |
| R3366 | VRS-CY1JF332JY | J 3.3k | 1/16W Metal Oxide | AA |
| R3369 | VRS-CA1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R3375 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R3382 | VRS-CY1JF472FY | J 4.7k | 1/16W Metal Oxide | AA |
| R3383 | VRS-CY1JF153JY | J 15k | 1/16W Metal Oxide | AA |
| R3398 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R3399 | VRS-CY1JF000JY | J 0 | 1/16W Metal Oxide | AA |
| R3401 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R3402 | VRS-TQ2BD750JY | J 75 | 1/8W Metal Oxide | AA |
| R3403 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R3404 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R3409 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R3410 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R3411 | VRS-TQ2BD750JY | J 75 | 1/8W Metal Oxide | AA |
| R3412 | VRS-TQ2BD750JY | J 75 | 1/8W Metal Oxide | AA |
| R3413 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R3414 | VRS-TQ2BD750JY | J 75 | 1/8W Metal Oxide | AA |
| R3415 | VRS-CY1JF101JY | J 100 | 1/16W Metal Oxide | AA |
| R3416 | VRS-TQ2BD750JY | J 75 | 1/8W Metal Oxide | AA |
| R3428 | VRS-TQ2BD750JY | J 75 | 1/8W Metal Oxide | AA |

| Ref. No. | Part No. | ★ | Description | Code | Ref. No. | Part No. | ★ | Description | Code |
|-----------------------------|----------------|---|-------------|----------------|----------------------------|----------------|---|---------------------|----------------|
| DUNTKB981FE03 | | | | | | | | | |
| SUB Unit (Continued) | | | | | | | | | |
| R3429 | VRS-TQ2BD750JY | J | 75 1/8W | Metal Oxide AA | R3774 | VRS-TW2HF391JY | J | 390 1/2W | Metal Oxide AA |
| R3430 | VRS-TQ2BD750JY | J | 75 1/8W | Metal Oxide AA | R3775 | VRS-TW2HF391JY | J | 390 1/2W | Metal Oxide AA |
| R3431 | VRS-CY1JF105JY | J | 1M 1/16W | Metal Oxide AA | R3776 | VRS-TW2ED000JY | J | 0 1/4W | Metal Oxide AB |
| R3432 | VRS-CY1JF105JY | J | 1M 1/16W | Metal Oxide AA | R4050 | VRS-CY1JF682JY | J | 6.8k 1/16W | Metal Oxide AA |
| R3433 | VRS-CY1JF105JY | J | 1M 1/16W | Metal Oxide AA | R4051 | VRS-CY1JF472JY | J | 4.7k 1/16W | Metal Oxide AA |
| R3523 | VRS-CY1JF103JY | J | 10k 1/16W | Metal Oxide AA | R4052 | VRS-CY1JF682JY | J | 6.8k 1/16W | Metal Oxide AA |
| R3524 | VRS-CY1JF103JY | J | 10k 1/16W | Metal Oxide AA | R4053 | VRS-CY1JF472JY | J | 4.7k 1/16W | Metal Oxide AA |
| R3528 | VRS-CY1JF680JY | J | 470 1/16W | Metal Oxide AA | R8451 | VRS-CY1JF221JY | J | 220 1/16W | Metal Oxide AA |
| R3529 | VRS-CY1JF471JY | J | 470 1/16W | Metal Oxide AA | R8452 | VRS-CY1JF221JY | J | 220 1/16W | Metal Oxide AA |
| R3530 | VRS-CY1JF104JY | J | 100k 1/16W | Metal Oxide AA | R8453 | VRS-CY1JF561JY | J | 560 1/16W | Metal Oxide AA |
| R3531 | VRS-TQ2BD680JY | J | 68 1/8W | Metal Oxide AA | R8454 | VRS-TV1JD332JY | J | 3.3k 1/16W | Metal Oxide AA |
| R3533 | VRS-CY1JF680JY | J | 68 1/16W | Metal Oxide AA | R8455 | VRS-CY1JF561JY | J | 560 1/16W | Metal Oxide AA |
| R3534 | VRS-CY1JF101JY | J | 100 1/16W | Metal Oxide AA | R8456 | VRS-TV1JD152JY | J | 1.5k 1/16W | Metal Oxide AA |
| R3535 | VRS-CY1JF223JY | J | 22k 1/16W | Metal Oxide AA | R8457 | VRS-CY1JF221JY | J | 220 1/16W | Metal Oxide AA |
| R3536 | VRS-CY1JF562JY | J | 5.6k 1/16W | Metal Oxide AA | R8458 | VRS-CY1JF221JY | J | 220 1/16W | Metal Oxide AA |
| R3537 | VRS-CY1JF272JY | J | 2.7k 1/16W | Metal Oxide AA | R8459 | VRS-CY1JF561JY | J | 560 1/16W | Metal Oxide AA |
| R3540 | VRS-CY1JF000JY | J | 0 1/16W | Metal Oxide AA | R8460 | VRS-TV1JD332JY | J | 3.3k 1/16W | Metal Oxide AA |
| R3542 | VRS-CY1JF680JY | J | 68 1/16W | Metal Oxide AA | R8461 | VRS-CY1JF561JY | J | 560 1/16W | Metal Oxide AA |
| R3543 | VRS-CY1JF562JY | J | 5.6k 1/16W | Metal Oxide AA | R8462 | VRS-TV1JD152JY | J | 1.5k 1/16W | Metal Oxide AA |
| R3544 | VRS-CY1JF104JY | J | 100k 1/16W | Metal Oxide AA | R8463 | VRS-CY1JF221JY | J | 220 1/16W | Metal Oxide AA |
| R3545 | VRS-CY1JF103JY | J | 10k 1/16W | Metal Oxide AA | R8465 | VRS-CY1JF561JY | J | 560 1/16W | Metal Oxide AA |
| R3552 | VRS-CY1JF153JY | J | 15k 1/16W | Metal Oxide AA | R8466 | VRS-TV1JD332JY | J | 3.3k 1/16W | Metal Oxide AA |
| R3555 | VRS-CY1JF562JY | J | 5.6k 1/16W | Metal Oxide AA | R8467 | VRS-CY1JF561JY | J | 560 1/16W | Metal Oxide AA |
| R3556 | VRS-CY1JF822JY | J | 8.2k 1/16W | Metal Oxide AA | R8468 | VRS-TV1JD152JY | J | 1.5k 1/16W | Metal Oxide AA |
| R3557 | VRS-CY1JF103JY | J | 10k 1/16W | Metal Oxide AA | R8484 | VRS-CY1JF221JY | J | 220 1/16W | Metal Oxide AA |
| R3703 | VRS-TW2ED102JY | J | 1k 1/4W | Metal Oxide AA | SWITCHES | | | | |
| R3705 | VRS-CY1JF682JY | J | 6.8k 1/16W | Metal Oxide AA | S4053 | QSW-PA011WJZZ | J | MAIN POWER | AF |
| R3706 | VRS-CY1JF105JY | J | 1M 1/16W | Metal Oxide AA | SW4050 | QSW-K0065GEZZY | J | CH(✓) | AD |
| R3707 | VRS-CY1JF274JY | J | 270k 1/16W | Metal Oxide AA | SW4051 | QSW-K0065GEZZY | J | CH(∧) | AD |
| R3708 | VRS-CY1JF133FY | J | 13k 1/16W | Metal Oxide AA | SW4052 | QSW-K0065GEZZY | J | MENU | AD |
| R3711 | VRS-CY1JF272JY | J | 2.7k 1/16W | Metal Oxide AA | SW4054 | QSW-K0065GEZZY | J | TV/VIDEO | AD |
| R3713 | VRS-CY1JF100JY | J | 10 1/16W | Metal Oxide AA | SW4055 | QSW-K0065GEZZY | J | VOL(+) | AD |
| R3714 | VRS-CY1JF273FY | J | 27k 1/16W | Metal Oxide AA | SW4056 | QSW-K0065GEZZY | J | VOL(-) | AD |
| R3716 | VRS-CY1JF184JY | J | 180k 1/16W | Metal Oxide AA | MISCELLANEOUS PARTS | | | | |
| R3717 | VRS-CY1JF472JY | J | 4.7k 1/16W | Metal Oxide AA | △ F3301 | QFS-ZA002WJZZ | J | Fuse, 1.25A/250V | AD |
| R3718 | VRS-TW2HF000JY | J | 0 1/2W | Metal Oxide AA | △ F3701 | QFS-D0008CEZZ | J | Fuse, 2A/250V | AE |
| R3719 | VRS-CY1JF000JY | J | 0 1/16W | Metal Oxide AA | FH3701 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| R3721 | VRS-CY1JF472JY | J | 4.7k 1/16W | Metal Oxide AA | FH3702 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| R3723 | VRS-TW2ED102JY | J | 1k 1/4W | Metal Oxide AA | FB3701 | RBLN-0095CEZZY | J | Ferrite Bead | AD |
| R3725 | VRS-CY1JF000JY | J | 0 1/16W | Metal Oxide AA | FB3702 | RBLN-0095CEZZY | J | Ferrite Bead | AD |
| R3732 | VRS-CY1JF1R0JY | J | 1 1/16W | Metal Oxide AA | FB3703 | RBLN-0095CEZZY | J | Ferrite Bead | AD |
| R3733 | VRS-CY1JF222JY | J | 2.2k 1/16W | Metal Oxide AA | FB3705 | RBLN-0051TAZZY | J | Ferrite Bead | AC |
| R3737 | VRS-TQ2BD683JY | J | 68k 1/8W | Metal Oxide AA | FB3706 | RBLN-0254TAZZY | J | Ferrite Bead | AB |
| R3738 | VRS-CY1JF223JY | J | 22k 1/16W | Metal Oxide AA | FB3707 | RBLN-0254TAZZY | J | Ferrite Bead | AB |
| R3744 | VRS-TW2ED561JY | J | 560 1/4W | Metal Oxide AA | FB3708 | RBLN-0254TAZZY | J | Ferrite Bead | AB |
| R3745 | VRS-CY1JF123FY | J | 12k 1/16W | Metal Oxide AA | J3401 | QJAKGA038WJZZ | J | AV-IN1 Terminal | AE |
| R3746 | VRS-CY1JF182FY | J | 1.8k 1/16W | Metal Oxide AA | J3402 | QJAKGA038WJZZ | J | AV-OUT(AV-IN2/OUT) | AE |
| R3747 | VRS-CY1JF222FY | J | 2.2k 1/16W | Metal Oxide AA | J3404 | QJAKGA039WJZZ | J | Y/PB/PR(COMPONENT) | AE |
| R3748 | VRS-CY1JF682FY | J | 6.8k 1/16W | Metal Oxide AA | J3409 | QJAKFA017WJZZ | J | AUDIO(L)/(R) | AD |
| R3749 | VRS-CY1JF122FY | J | 1.2k 1/16W | Metal Oxide AA | | | | (COMPONENT) | |
| R3751 | VRS-CY1JF223FY | J | 22k 1/16W | Metal Oxide AA | J3701 | QJAKCA010WJZZ | J | POWER INPUT(DC 12V) | AF |
| R3752 | VRS-CY1JF102JY | J | 1k 1/16W | Metal Oxide AA | P3302 | QPLGN0378GEZZ | J | Plug, 3-pin | AB |
| R3753 | VRS-CY1JF102JY | J | 1k 1/16W | Metal Oxide AA | P3303 | QPLGN0478GEZZ | J | Plug, 4-pin | AB |
| R3754 | VRS-CY1JF163FY | J | 16k 1/16W | Metal Oxide AA | P3602 | QCNW-B654WJQZ | J | Connecting Cord | AD |
| R3755 | VRS-CY1JF391JY | J | 390 1/16W | Metal Oxide AA | P3604 | QPLGN1078GEZZ | J | Plug, 10-pin | AC |
| R3756 | VRS-CY1JF102JY | J | 1k 1/16W | Metal Oxide AA | P3701 | QCNW-B519WJQZ | J | Connecting Cord | AH |
| R3757 | VRS-CY1JF103FY | J | 10k 1/16W | Metal Oxide AA | P3801 | QPLGN0678GEZZ | J | Plug, 6-pin | AB |
| R3758 | VRS-CY1JF473FY | J | 47k 1/16W | Metal Oxide AA | SC3401 | QSOCN0464FJZZY | J | Socket, 50-pin | AH |
| R3759 | VRS-CY1JF622FY | J | 6.2k 1/16W | Metal Oxide AA | SC3411 | QSOCN0456CEZZ | J | S-VIDEO(AV-IN1) | AE |
| R3760 | VRS-CY1JF103FY | J | 10k 1/16W | Metal Oxide AA | SC3412 | QSOCN0456CEZZ | J | S-VIDEO(AV-IN2/OUT) | AE |
| R3761 | VRS-CY1JF000JY | J | 0 1/16W | Metal Oxide AA | TP3001 | QLUGHA001WJZZY | J | Lug | AD |
| R3762 | VRS-CY1JF000JY | J | 0 1/16W | Metal Oxide AA | TP3002 | QLUGHA001WJZZY | J | Lug | AD |
| R3763 | VRS-CY1JF000JY | J | 0 1/16W | Metal Oxide AA | TP3003 | QLUGHA001WJZZY | J | Lug | AD |
| R3764 | VRS-CY1JF103JY | J | 10k 1/16W | Metal Oxide AA | | | | | |
| R3765 | VRS-TW2HF101JY | J | 100 1/2W | Metal Oxide AA | | | | | |
| R3766 | VRS-TV1JD103JY | J | 10k 1/16W | Metal Oxide AA | | | | | |
| R3767 | VRS-CY1JF472FY | J | 4.7k 1/16W | Metal Oxide AA | | | | | |
| R3768 | VRS-CY1JF123FY | J | 12k 1/16W | Metal Oxide AA | | | | | |
| R3769 | VRS-CY1JF102JY | J | 1k 1/16W | Metal Oxide AA | | | | | |
| R3770 | VRS-CY1JF222JY | J | 2.2k 1/16W | Metal Oxide AA | | | | | |
| R3771 | VRS-TV1JD103JY | J | 10k 1/16W | Metal Oxide AA | | | | | |

| Ref. No. | Part No. | ★ | Description | Code |
|----------------------------|----------------|---|------------------------|------|
| DUNTKB982DE03 | | | | |
| R/C, LED Unit | | | | |
| INTEGRATED CIRCUITS | | | | |
| IC4201 | VHITPS850++-1Y | J | TPS850 | AG |
| TRANSISTORS | | | | |
| Q4001 | VSDTC144EE/-1Y | J | DTC144EE | AA |
| Q4002 | VSUMG4N++++-1Y | J | UMG4N | AB |
| Q4004 | VSDTC144EE/-1Y | J | DTC144EE | AA |
| DIODES | | | | |
| D4001 | RH-PX0421CEZZY | J | POWER Indicator | AD |
| D4002 | RH-PX0421CEZZY | J | OPC Indicator | AD |
| D4004 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB |
| D4005 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB |
| D4007 | RH-EX1271CEZZY | J | Zener Diode, 12V | AB |
| D4008 | RH-EX1247CEZZY | J | Zener Diode, 5.6V | AB |
| CAPACITORS | | | | |
| C4001 | RC-KZ0117TAZZY | J | 4.7 6.3V Ceramic | AD |
| C4201 | VCEAPF1CN106MY | J | 10 16V Electrolytic | AD |
| C4202 | VCEAPF0JW107MY | J | 100 6.3V Electrolytic | AC |
| C4203 | VCKYCY1HF103ZY | J | 0.01 50V Ceramic | AA |
| RESISTORS | | | | |
| R4001 | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide | AA |
| R4002 | VRS-CY1JF472JY | J | 4.7k 1/16W Metal Oxide | AA |
| R4003 | VRS-CY1JF472JY | J | 4.7k 1/16W Metal Oxide | AA |
| R4005 | VRS-CY1JF472JY | J | 4.7k 1/16W Metal Oxide | AA |
| R4006 | VRS-CY1JF101JY | J | 100 1/16W Metal Oxide | AA |
| R4007 | VRS-CY1JF471JY | J | 470 1/16W Metal Oxide | AA |
| MISCELLANEOUS PARTS | | | | |
| J4021 | QJAKJ0068CEZZ | J | Headphone Jack | AG |
| P4001 | QPLGN0958REZZY | J | Plug, 9-pin | AC |
| P4003 | QPLGN0378GEZZ | J | Plug, 3-pin | AB |
| RMC4001 | RRMCU0239CEZZ | J | R/C Receiver | AG |

| Ref. No. | Part No. | ★ | Description | Code |
|----------------------|----------------|---|-------------|------|
| DUNTKB983WJ03 | | | | |
| INVERTER Unit | | | | |
| TRANSISTORS | | | | |
| Q6700 | VS2SC5886++-1Y | J | 2SC5886 | AE |
| Q6701 | VS2SC5886++-1Y | J | 2SC5886 | AE |
| Q6702 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q6703 | VS2SC5886++-1Y | J | 2SC5886 | AE |
| Q6704 | VS2SC5886++-1Y | J | 2SC5886 | AE |
| Q6705 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q6706 | VSUPA606T//-1Y | J | UPA606T | AD |
| Q6707 | VS2SC5886++-1Y | J | 2SC5886 | AE |
| Q6708 | VS2SC5886++-1Y | J | 2SC5886 | AE |
| Q6709 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q6710 | VS2SC5886++-1Y | J | 2SC5886 | AE |
| Q6711 | VS2SC5886++-1Y | J | 2SC5886 | AE |
| Q6712 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q6713 | VSUPA606T//-1Y | J | UPA606T | AD |
| Q6714 | VS2SC5886++-1Y | J | 2SC5886 | AE |
| Q6715 | VS2SC5886++-1Y | J | 2SC5886 | AE |
| Q6716 | VS2SA1530AR-1Y | J | 2SA1530AR | AB |
| Q6717 | VSUPA606T//-1Y | J | UPA606T | AD |
| DIODES | | | | |
| D6700 | VHDDAN202K/-1Y | J | Diode | AB |
| D6701 | VHDDAN202K/-1Y | J | Diode | AB |
| D6702 | VHDM157A//-1Y | J | Diode | AC |
| D6703 | VHDM157A//-1Y | J | Diode | AC |
| D6704 | VHDDAN202K/-1Y | J | Diode | AB |
| D6705 | VHDDAN202K/-1Y | J | Diode | AB |
| D6707 | VHDM157A//-1Y | J | Diode | AC |
| D6708 | VHDM157A//-1Y | J | Diode | AC |
| D6709 | VHDDAN202K/-1Y | J | Diode | AB |
| D6710 | VHDM157A//-1Y | J | Diode | AC |
| D6711 | VHDDAN202K/-1Y | J | Diode | AB |
| COILS | | | | |
| L6700 | RCiLPA034WJZZ | J | Coil | AD |
| L6701 | RCiLPA034WJZZ | J | Coil | AD |
| L6702 | RCiLPA034WJZZ | J | Coil | AD |
| L6703 | RCiLPA034WJZZ | J | Coil | AD |
| L6704 | RCiLPA034WJZZ | J | Coil | AD |
| TRANSFORMER | | | | |
| △ T6700 | RTRNZA031WJZZQ | J | Transformer | AQ |
| △ T6701 | RTRNZA032WJZZQ | J | Transformer | AQ |
| △ T6702 | RTRNZA032WJZZQ | J | Transformer | AQ |
| △ T6703 | RTRNZA032WJZZQ | J | Transformer | AQ |
| △ T6704 | RTRNZA031WJZZQ | J | Transformer | AQ |

| | | | | |
|-------------------|----------------|---|-----------------------|----|
| CAPACITORS | | | | |
| C6700 | RC-FZA125WJZZ | J | 0.1 250V Film | AD |
| C6701 | VCKYCY1CB333KY | J | 0.033 16V Ceramic | AA |
| C6703 | VCKYCY1CB333KY | J | 0.033 16V Ceramic | AA |
| C6704 | RC-EZA010WJZZ | J | 1000 16V Electrolytic | AD |
| C6705 | RC-FZA125WJZZ | J | 0.1 250V Film | AD |
| C6706 | VCKYCY1CB333KY | J | 0.033 16V Ceramic | AA |
| C6708 | VCKYCY1CB333KY | J | 0.033 16V Ceramic | AA |
| C6709 | RC-EZA010WJZZ | J | 1000 16V Electrolytic | AD |
| C6710 | RC-KZ0072TAZZY | J | 1 25V Ceramic | AC |
| C6711 | RC-KZ0072TAZZY | J | 1 25V Ceramic | AC |
| C6712 | RC-FZA125WJZZ | J | 0.1 250V Film | AD |
| C6713 | VCKYCY1CB333KY | J | 0.033 16V Ceramic | AA |
| C6715 | VCKYCY1CB333KY | J | 0.033 16V Ceramic | AA |
| C6716 | RC-EZA010WJZZ | J | 1000 16V Electrolytic | AD |
| C6717 | RC-FZA125WJZZ | J | 0.1 250V Film | AD |
| C6718 | VCKYCY1CB333KY | J | 0.033 16V Ceramic | AA |
| C6720 | VCKYCY1CB333KY | J | 0.033 16V Ceramic | AA |
| C6721 | RC-EZA010WJZZ | J | 1000 16V Electrolytic | AD |
| C6722 | RC-KZ0072TAZZY | J | 1 25V Ceramic | AC |
| C6723 | RC-KZ0072TAZZY | J | 1 25V Ceramic | AC |
| C6724 | RC-FZA125WJZZ | J | 0.1 250V Film | AD |
| C6725 | VCKYCY1CB333KY | J | 0.033 16V Ceramic | AA |

| Ref. No. | Part No. | ★ | Description | Code |
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| DUNTKB983WJ03 | | | | |
| INVERTER Unit (Continued) | | | | |

| | | | | | |
|-------|----------------|---|-----------|--------------|----|
| C6727 | VCKYCY1CB333KY | J | 0.033 16V | Ceramic | AA |
| C6728 | RC-EZA010WJZZ | J | 1000 16V | Electrolytic | AD |
| C6729 | RC-KZ0072TAZZY | J | 1 25V | Ceramic | AC |

RESISTORS

| | | | | | |
|-------|----------------|---|------------|-------------|----|
| R6700 | VRS-TW2ED122JY | J | 1.2k 1/4W | Metal Oxide | AA |
| R6701 | VRS-TW2ED122JY | J | 1.2k 1/4W | Metal Oxide | AA |
| R6702 | VRS-CY1JF103JY | J | 10k 1/16W | Metal Oxide | AA |
| R6703 | VRS-CY1JF333JY | J | 33k 1/16W | Metal Oxide | AA |
| R6704 | VRS-TW2ED122JY | J | 1.2k 1/4W | Metal Oxide | AA |
| R6705 | VRS-TW2ED122JY | J | 1.2k 1/4W | Metal Oxide | AA |
| R6706 | VRS-CY1JF103JY | J | 10k 1/16W | Metal Oxide | AA |
| R6707 | VRS-CY1JF333JY | J | 33k 1/16W | Metal Oxide | AA |
| R6708 | VRS-CY1JF471JY | J | 470 1/16W | Metal Oxide | AA |
| R6709 | VRS-CY1JF824JY | J | 820k 1/16W | Metal Oxide | AA |
| R6710 | VRS-CY1JF471JY | J | 470 1/16W | Metal Oxide | AA |
| R6711 | VRS-CY1JF824JY | J | 820k 1/16W | Metal Oxide | AA |
| R6712 | VRS-CY1JF562JY | J | 5.6k 1/16W | Metal Oxide | AA |
| R6713 | VRS-CY1JF562JY | J | 5.6k 1/16W | Metal Oxide | AA |
| R6714 | VRS-TW2ED122JY | J | 1.2k 1/4W | Metal Oxide | AA |
| R6715 | VRS-TW2ED122JY | J | 1.2k 1/4W | Metal Oxide | AA |
| R6716 | VRS-CY1JF103JY | J | 10k 1/16W | Metal Oxide | AA |
| R6717 | VRS-CY1JF333JY | J | 33k 1/16W | Metal Oxide | AA |
| R6718 | VRS-TW2ED122JY | J | 1.2k 1/4W | Metal Oxide | AA |
| R6719 | VRS-TW2ED122JY | J | 1.2k 1/4W | Metal Oxide | AA |
| R6720 | VRS-CY1JF103JY | J | 10k 1/16W | Metal Oxide | AA |
| R6721 | VRS-CY1JF333JY | J | 33k 1/16W | Metal Oxide | AA |
| R6722 | VRS-CY1JF471JY | J | 470 1/16W | Metal Oxide | AA |
| R6723 | VRS-CY1JF824JY | J | 820k 1/16W | Metal Oxide | AA |
| R6724 | VRS-CY1JF471JY | J | 470 1/16W | Metal Oxide | AA |
| R6725 | VRS-CY1JF824JY | J | 820k 1/16W | Metal Oxide | AA |
| R6726 | VRS-CY1JF562JY | J | 5.6k 1/16W | Metal Oxide | AA |
| R6727 | VRS-CY1JF562JY | J | 5.6k 1/16W | Metal Oxide | AA |
| R6728 | VRS-TW2ED122JY | J | 1.2k 1/4W | Metal Oxide | AA |
| R6729 | VRS-TW2ED122JY | J | 1.2k 1/4W | Metal Oxide | AA |
| R6730 | VRS-CY1JF103JY | J | 10k 1/16W | Metal Oxide | AA |
| R6731 | VRS-CY1JF333JY | J | 33k 1/16W | Metal Oxide | AA |
| R6732 | VRS-CY1JF471JY | J | 470 1/16W | Metal Oxide | AA |
| R6733 | VRS-CY1JF824JY | J | 820k 1/16W | Metal Oxide | AA |
| R6734 | VRS-CY1JF562JY | J | 5.6k 1/16W | Metal Oxide | AA |
| R6743 | VRS-CY1JF563JY | J | 56k 1/16W | Metal Oxide | AA |
| R6759 | VRS-TW2ED000JY | J | 0 1/4W | Metal Oxide | AB |

MISCELLANEOUS PARTS

| | | | | |
|---------|----------------|---|------------------|----|
| △ F6700 | QFS-D0006CEZZ | J | Fuse, 1.25A/250V | AF |
| △ F6701 | QFS-D0006CEZZ | J | Fuse, 1.25A/250V | AF |
| △ F6702 | QFS-D0006CEZZ | J | Fuse, 1.25A/250V | AF |
| △ F6703 | QFS-D0006CEZZ | J | Fuse, 1.25A/250V | AF |
| △ F6704 | QFS-D0006CEZZ | J | Fuse, 1.25A/250V | AF |
| FH6700 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| FH6701 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| FH6702 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| FH6703 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| FH6704 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| FH6705 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| FH6706 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| FH6707 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| FH6708 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| FH6709 | QFSDH1002CEZZ | J | Fuse Holder | AA |
| P6700 | QSOCFA001WJZZY | J | Socket, 3-pin | AC |
| P6701 | QSOCFA001WJZZY | J | Socket, 3-pin | AC |
| P6702 | QSOCFA001WJZZY | J | Socket, 3-pin | AC |
| P6703 | QSOCFA001WJZZY | J | Socket, 3-pin | AC |
| P6704 | QSOCFA001WJZZY | J | Socket, 3-pin | AC |
| P6706 | QPLGN1078GEZZ | J | Plug, 10-pin | AC |
| | QCNW-B518WJQZ | J | Connecting Cord | AL |

| Ref. No. | Part No. | ★ | Description | Code |
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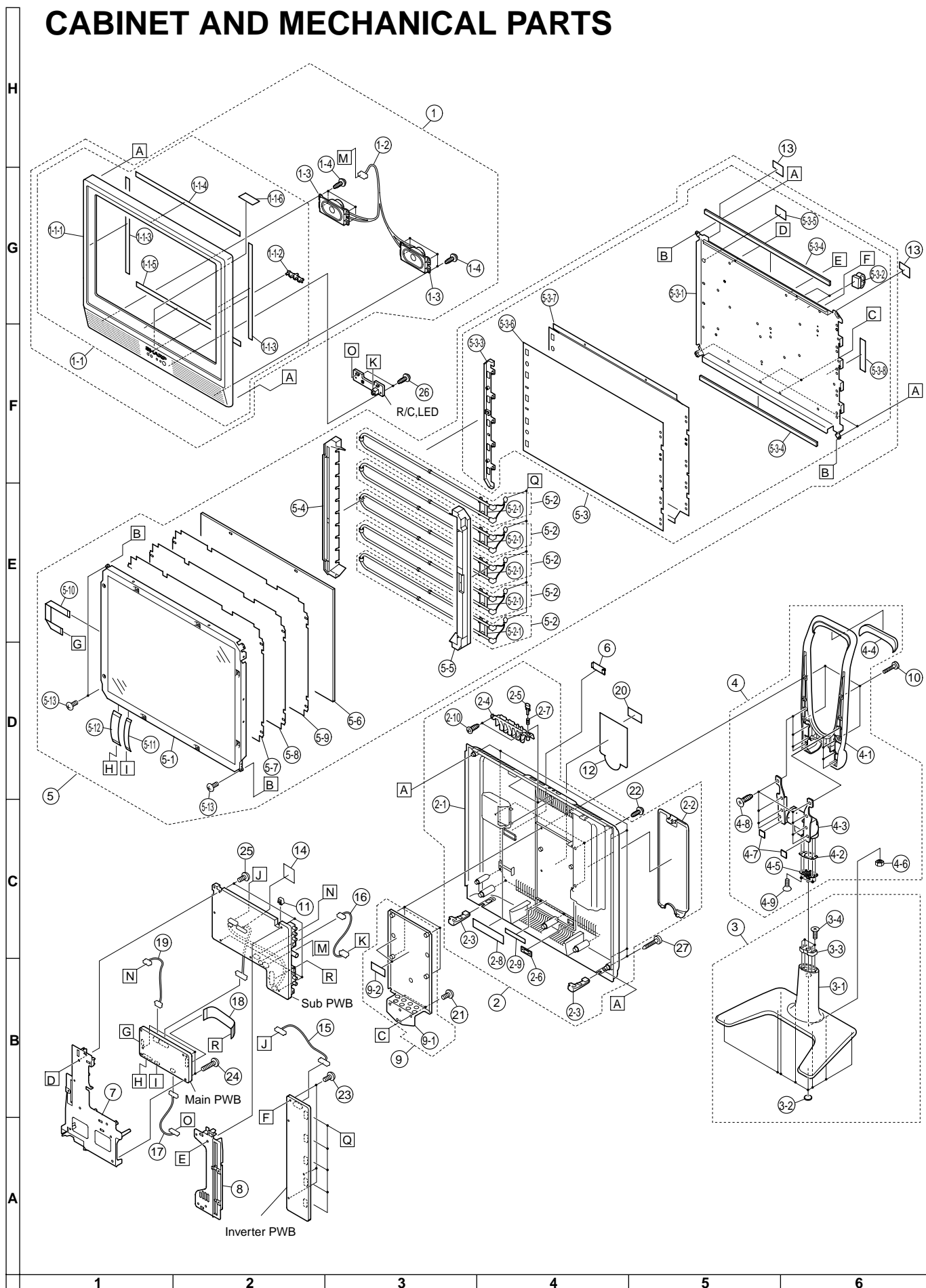
CABINET AND MECHANICAL PARTS

| | | | | |
|-------|----------------|---|-----------------------------|----|
| 1 | Not Available | — | Cabinet A Ass'y Unit | — |
| 1-1 | CCABAA369WJ04 | X | Cabinet A Ass'y | BK |
| 1-1-1 | Not Available | — | Cabinet A | — |
| 1-1-2 | HDECQA269WJSA | J | R/C, LED Cover | AE |
| 1-1-3 | PSPAHA040WJZZ | J | Spacer, x2 | AD |
| 1-1-4 | PSPAHA041WJZZ | J | Spacer, x1 | AD |
| 1-1-5 | PSPAHA213WJZZ | X | Spacer, x1 | |
| 1-1-6 | TLABZA447WJZZ | X | Material Label | |
| 1-2 | QCNW-B521WJQZ | J | Connecting Cord | AG |
| 1-3 | VSP7040PB608S | J | Speaker, x2 | AN |
| 1-4 | XEBNSN40P10000 | J | Screw, x8 | AB |
| 2 | CCABBA262WJ04 | X | Cabinet B Ass'y | BC |
| 2-1 | Not Available | — | Cabinet B | — |
| 2-2 | GCOVAA500WJKA | J | Terminal Cover | AM |
| 2-3 | GLEGGA026WJSA | J | Leg, x2 | AF |
| 2-4 | JBNTN-A181WJKA | J | Operation Button | AL |
| 2-5 | JBNTN-A184WJKA | J | Power Button | AG |
| 2-6 | LANGF2155CEF | J | Round Lock | AD |
| 2-7 | MSPRCA014WJFW | J | Power Button Spring | AB |
| 2-8 | PSPAHA279WJZZ | J | Spacer, x1 | AC |
| 2-9 | TLABZA447WJZZ | X | Material Label | |
| 2-10 | XEBNSN30P08000 | J | Screw, x2 | AA |
| 3 | CDAi-A030WJ07 | X | Stand Ass'y | BB |
| 3-1 | Not Available | — | Stand | — |
| 3-2 | GLEGGA014WJZZ | J | Leg Cushion, x8 | AB |
| 3-3 | LANGGA036WJFW | J | Swivel Base | AE |
| 3-4 | XESSN40P14000 | J | Screw, x4 | AA |
| 4 | CHNDP0103CE12 | X | Stand Handle Ass'y | BF |
| 4-1 | JHNDP0103CESF | J | Stand Handle | AW |
| 4-2 | LANGFA070WJFW | J | Swivel Spacer | AD |
| 4-3 | Not Available | — | Stand Joint | — |
| 4-4 | GCOVA1945CESA | J | Stand Grip | AK |
| 4-5 | MHNG-A048WJFW | J | Swivel Hinge | AS |
| 4-6 | LX-NZA001WJFN | J | Nut, x1 | AD |
| 4-7 | PSPAZA083WJZZ | J | Spacer, x2 | AB |
| 4-8 | XESSN40P10000 | J | Screw, x8 | AB |
| 4-9 | XUSSN40P20000 | | Screw, x4 | AA |
| 5 | Not Available | — | 20" LCD Panel Unit Ass'y | — |
| 5-1 | RLCDDTA025WJZZ | J | 20" LCD Panel Unit | DB |
| △ 5-2 | CLMP-A024WJ01 | J | Lamp Unit Ass'y, x5 | AY |
| 5-2-1 | LHLDZA214WJKZ | J | Lamp Clip, x1 | AD |
| 5-3 | Not Available | — | Back Shield Ass'y | — |
| 5-3-1 | PSLDMA251WJFW | J | Back Shield | AU |
| 5-3-2 | LHLDW1123GEZZ | J | Wire Holder, x2 | AB |
| 5-3-3 | LHLDZA213WJKZ | J | Lamp Holder(Bottom) | AG |
| 5-3-4 | PMLT-A078WJZZ | J | Light Shielding Spacer, x2 | AE |
| 5-3-5 | PMLT-A079WJZZ | J | Light Shielding Spacer | AB |
| 5-3-6 | PSHEPA103WJZZ | J | Reflection Sheet(Top) | AL |
| 5-3-7 | PSHEPA104WJZZ | J | Reflection Sheet(Bottom) | AK |
| 5-3-8 | TCAUZA031WJZZ | J | Caution Label | AB |
| 5-4 | LHLDZA211WJKZ | J | Lamp Holder(Top)-A | AL |
| 5-5 | LHLDZA212WJKZ | J | Lamp Holder(Top)-B | AL |
| 5-6 | PCOVUA014WJZZ | J | Diffusion Plate | AX |
| 5-7 | PSHEPA101WJZZ | J | Reflection/Deflection Sheet | BM |
| 5-8 | PSHEPA102WJZZ | J | Prism Sheet | BB |
| 5-9 | PSHEPA127WJZZ | J | Diffusion Sheet | AN |
| 5-10 | QCNW-B523WJQZ | J | Connecting Cord | AD |
| 5-11 | QCNW-B524WJQZ | J | Connecting Cord | AB |
| 5-12 | QCNW-B525WJQZ | J | Connecting Cord | AC |
| 5-13 | XBPSN26P05J00 | J | Screw, x3 | AA |
| 6 | GCOVAA503WJKA | J | Bass Cone Cover | AE |
| 7 | LCHSMA039WJKA | J | Chassis Frame(L) | AL |
| 8 | LCHSMA042WJKA | X | Chassis Frame(R) | AM |
| 9 | CANGTA078WJ01 | J | Reinforcement Angle Ass'y | AQ |
| 9-1 | LANGTA078WJFW | J | Reinforcement Angle | AP |
| 9-2 | PSPAHA280WJZZ | J | Spacer, x2 | AB |

| Ref. No. | Part No. | ★ | Description | Code |
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| | | | | |
|----|----------------|---|----------------------------|----|
| 10 | LX-BZ3442CEF9 | J | Screw, x4 | AB |
| 11 | LHLDZA251WJKZ | J | Switch Holder | AD |
| 12 | HiNDPA657WJSA | X | Model Label | AE |
| 13 | PMLT-A075WJZZ | J | Light Shielding Spacer, x2 | AC |
| 14 | PSLDMA284WJZZ | J | Shield | AE |
| 15 | QCNW-B518WJQZ | J | Connecting Cord | AL |
| 16 | QCNW-B520WJQZ | J | Connecting Cord | AE |
| 17 | QCNW-B522WJQZ | J | Connecting Cord | AH |
| 18 | QCNW-B526WJQZ | J | Connecting Cord | AC |
| 19 | QCNW-B535WJZZ | J | Connecting Cord | AG |
| 20 | Not Available | — | Serial No. Label | — |
| 21 | XBBSN40P06000 | J | Screw, x2 | AA |
| 22 | XBBS930P04000 | J | Screw, x3 | AA |
| 23 | XBPSN30P10JS0 | J | Screw, x3 | AB |
| 24 | XBPSN30P20JS0 | J | Screw, x3 | AB |
| 25 | XBPS930P11JS0 | J | Screw, x4 | AB |
| 26 | XEBNSN30P08000 | J | Screw, x2 | AA |
| 27 | XEBNS940P20000 | J | Screw, x9 | AB |

CABINET AND MECHANICAL PARTS



| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

SUPPLIED ACCESORIES

| | | | | |
|---|-----------------|---|--------------------|----|
| ⚠ | LHLDWA002WJSB | J | Cable Clamp, x2 | AD |
| | QACCD A023WJPA | J | AC Cord | AK |
| | QCNWG0003CEPA | J | Antenna Cable | AM |
| | RRMCGA174WJSA | J | Infrared R/C Unit | AS |
| | TCAD E A028WJZZ | J | Questionnaire Card | AE |
| ⚠ | TINS-A966WJZZ | X | Operation Manual | AM |
| | UADP-A044WJPZ | J | AC Adapter | BC |

| Ref. No. | Part No. | ★ | Description | Code |
|----------|----------|---|-------------|------|
|----------|----------|---|-------------|------|

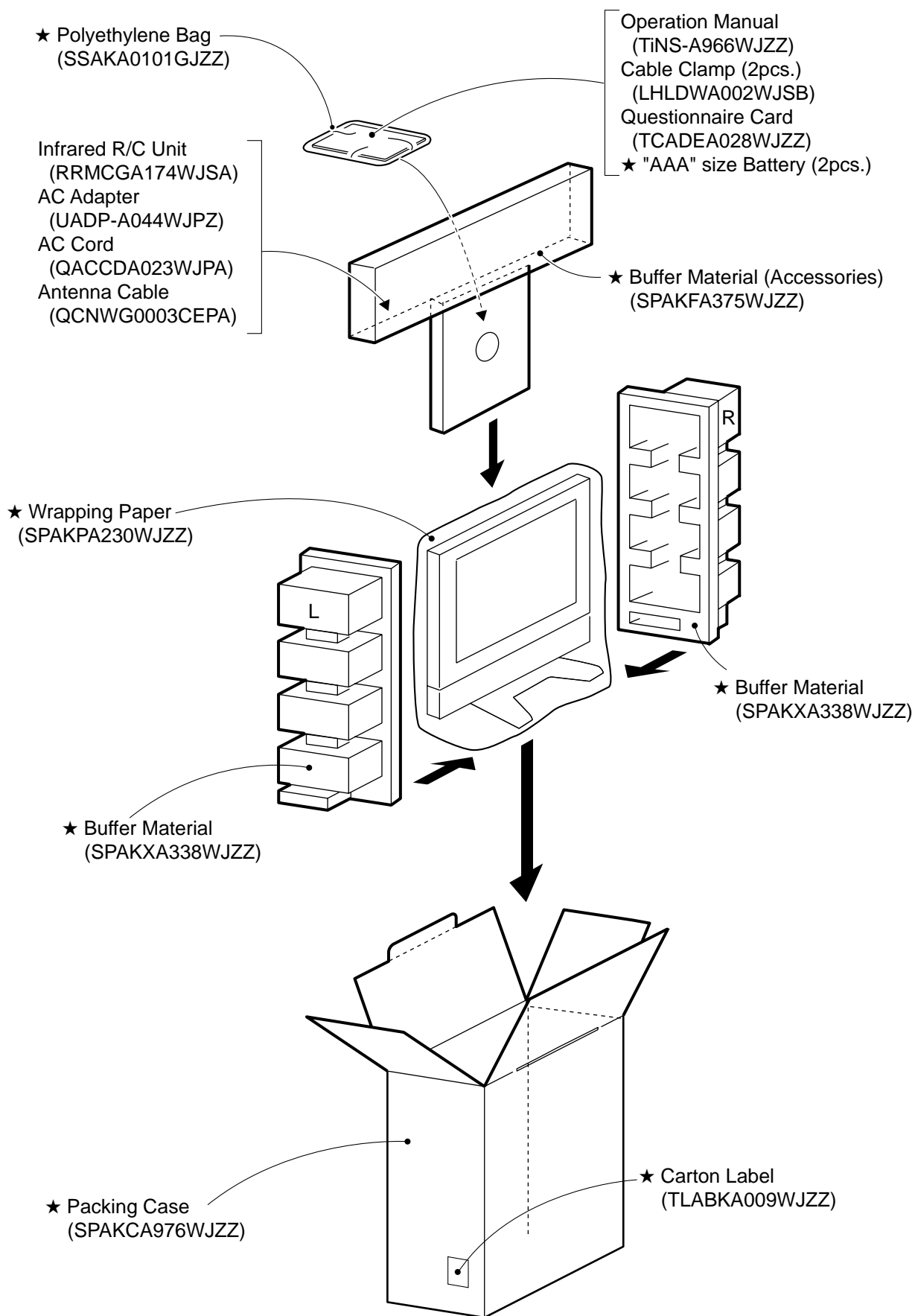
PACKING PARTS (NOT REPLACEMENT ITEM)

| | | | |
|---------------|---|-------------------------------|---|
| SPAKCA976WJZZ | — | Packing Case | — |
| SPAKFA375WJZZ | — | Buffer Material (Accessories) | — |
| SPAKPA230WJZZ | — | Wrapping Paper | — |
| SPAKXA338WJZZ | — | Buffer Material | — |
| SSAKA0101GJZZ | — | Polyethylene Bag | — |
| TLABKA009WJZZ | — | Carton Label | — |

SERVICE JIGS (USE FOR SERVICING)

| | | | |
|---------------|---|---|----|
| QCNW-A553WJZZ | J | Extension Cable 30-pin (SC1204-LCD) | BA |
| QCNW-A555WJZZ | J | Extension Cable 20-pin (SC1202-LCD) | AU |
| QCNW-A556WJZZ | J | Extension Cable 50-pin (SC2001-SC3401) (SC1203-LCD) | AU |
| QCNW-B749WJQZ | J | Extension Cable 10-pin (P3604-P6706) | AU |

PACKING OF THE SET



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|-----------------------------------|

| |
|--------------------|
| Design : Japan |
| Production : SEMEX |

MI. KG

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